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caagcgccca	tgacgccgat	tccccactc	cagctgagcc	gcccgtatac	caattatcac	660
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 <213> *Aspergillus nidulans*

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cggactgtcc	ttggactacc tacaccaca tcttttttgt tggggataag aactgctcc 240
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gaacgaggct	acgattctta taccagaaag aacaacaccc atcaactgag cagattaggc 360
gcctgagctc	agtcacagcg cggtaaagt ttagccttgc tgaaggagaa tctataagta 420
gactcatcta	ctggagactc aataaaccga acggagaatc cttgaactat ccagaacgag 480
aggattgaca	accacaagac ctttatagtgc ctgagagcct attacattta accttctaac 540
ccgacgggtca	gatgaccgga ataccaccaa catcagcatg cggttgcccg 590

<210> 6533  
 <211> 587  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6533

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caaggtgatt aagtgagcct atagcaggat ccagacgccg atgcaatcca atgaattaat 480
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<210> 6534  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6534

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caagccatct atgacgcacg cttggtgcct aaccacgggc aaagtggctg atgtgccatt 180
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 <212> DNA

<213> Aspergillus nidulans

<400> 6535

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caaaccccag ccaccaacac cataacacaa ccaccaccaa aaaa 104

<210> 6536

<211> 961

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 6536

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gtatggactg gctcggtaga cgtgataccg ccatctggat ctgtacattg aggacgtgca 180

gtacacaaag gccaacggtg aggtcgtatc agggacatac ctgccgatgc tatttgagac 240

tctagcggac ccgattgtca gcggccgtga agagcttggg atgccaaagc tgtattctgc 300

ccttgaggcg aatgagcgcg agggctcata ttaccttcaa gcgagctggc agggcgccgt 360

ctggggggcga ttccagtgcg aaggactcga ggaccaagat tcggcaacaa ccgccaggcc 420

aagcgacagt ggtgtcaacg gaggcttgct tcttcaccgc tacataacca aagttgggag 480

agactgcaag ggtcaggcgg aggttgagta tccggtgttt gtcccgaatg cagatgagag 540

caagatgctg gtctcaaagg taaaccgggt tcgtacagct acaagggctg catttgagat 600

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g 961

<210> 6537

<211> 649

<212> DNA  
 <213> Aspergillus nidulans

<400> 6537

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 atcactggga tttctttttc aggttgtgct gcagctattg gtttcatgga tgtcacagtc 180  
 tcccgtacct tttcatcagc cagggtccaca ggttcgccgt gaacaaacat attagaaaaa 240  
 cagcgtgata aaggaggcaa ttcgaagcaa gccggagcaa acgggaaagc agctcaggcc 300  
 cctacaactt tggcaaacgt tccgtcgacg attttcttcc ggcttcttgt gtcgtctgcc 360  
 aggcagatga tggcctcaca ctacacatta gtacacaccc agtcctctaa ctcatgatct 420  
 agcagaagaa ggaggaaggg aagagctaac ctgcgcgaag atgctgaagc aacgattcat 480  
 ttgcgcaaga cccgggacat gatccaaatc tacattctct tacacattat gttaccacaa 540  
 atatactatg cggcgtattg gaatgaggcg ataaatcttt gcatttgcaa tgacatgttc 600  
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<210> 6538

<211> 773

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 6538

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 cttgagcgta ctggccgcgc cgactgccag gcacgactag agctcgtgac cactgacatg 180  
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 ataatccgga agcataccac cctctacaga ttcagattag atactcacca ggtatcttcg 300  
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catctgggtc tgtagagatt ccctaacccc tgctcttcgc ttttgatcta tttgagctgg 600  
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tttccgtccc tggacgagga gagcctggat ttaccagga agccctcaac ttctggtgag 720  
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<210> 6539  
<211> 698  
<212> DNA  
<213> Aspergillus nidulans

<400> 6539

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agaacttgct cgaatccagg gtctggtgta ccaaaagctc tatagcccag ccgcactgcg 180  
gcaggacgag atggctaggg tggcggaggc ccgctggcta gctgccgaaa tgcaggatcg 240  
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cgggcaccct gggcacgttt gtcaaagaat gcattgaagc tgccaggagc gccctccagg 480  
cacacaagtc gagcatgtcg ctgctgacgg aggccaacca ggccacgaag ctctcatacc 540  
ttcattggga aaacaacccc cgagtgtttt gcgagggatt ctaacttggc agggggatcc 600  
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gggaagcctc taccggctta gggggttggt taaccccc 698

<210> 6540  
<211> 602  
<212> DNA  
<213> Aspergillus nidulans

<400> 6540

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agttccaaca gtacaaaacg ctcatcctga tgaagtgacg ctgtgtaatg cagcgtcact 180

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attgcaaata	gcttgcttca	agttggcgcc	accagctctt	aaacatccag	aactgagatc	420
aaaaagcatg	cagcaatacc	gaaccggggc	tcgactcggt	tctatgtccg	ctctcgcatc	480
gcatccaatg	acaagttcaa	gctgggttat	tattgctcga	tgctcgtcta	tacagttaat	540
cgagggacat	ccattgttgg	cgtttcactg	tccagctgtc	aaaggctccc	caaaaacagg	600
ca						602

<210> 6541  
 <211> 637  
 <212> DNA  
 <213> Aspergillus nidulans

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agtgatgttt	gcaagtacta	gtgaacgcaa aggcgcaaca cacctctcgt aaggtgttgc 180
taatagtctt	catcgggtccg	gcatgctgtg gtccaggctcg ctgtccgcgg aggagaccgt 240
ctcgatgaat	gatccagcgc	ttagctgccg cagttcgaag gtagattcga tgggcctgga 300
atcgccgggc	actgccgtca	aggatgactc tgataattgt cagaactata ggccgccttg 360
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cacattgagt	tggttaatat	gaacgagcag agtacggtaa tcgttcatga gttcggccac 600
ccttagggcg	cgtgcttggt	tacctaataa gatcagt 637

<210> 6542  
 <211> 703  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6542

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aaccggaggc acccacaaca ggcgcacccc cggtgatacc cccaccccga gaggcaccaa 180  
caagggggaa gccggagacg gaggcggaaa gcaacacaca gaacggccag aaccggacca 240  
agagaacagg aagaggccga gagagaaccg caccgacacc gcaaccgggc anaaaagacc 300  
cgaccggaan gccaccacga gcaagagccc accggaaacc agagcgcagc gcagacggcc 360  
gaacggaagc gcgccgggca acggggcagc aacggacggc ggaaacgcag cccgagaaga 420  
cggacagacc cggccccaac ggaacaagac cggggccgga cccggacccc caacggggaa 480  
gccccacag gaaggccagg ccaagaagag ccagggaac ccgaacgccg aaaccccagc 540  
ccgaccggc aaaaaagagg gcggggcgac gacacgcaa caaacagcac aacgcgggag 600  
gcccaccaag accaaacccg aggggaaggac acaacgggca gaaacaccgc ggacaggcca 660  
ccaagaggga acggggacca aagacaaaca agccgcacgg gca 703

<210> 6543  
<211> 677  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 6543

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gcaaangcgc accaacaaca gaaacgcaag cgccgggaca attttcaaag gcgcagggga 180  
gcgccgacgg ggggaagggg cgaagaagag gacggaccaa agcgcaacca agcccaccgg 240  
gccaacgcgc ccgcacggag agccgcaccg aaagcaccgc aaccggcacc cacgccacgc 300  
aggggnacc gacaaaaagc ccaaggccgc aagcgacaca ggacgagccg ggaaaaaacg 360  
ccccgacgc caaggaaacc naccaggaga gggaaaggca cacagacaac aggaaggag 420  
caacccccag cggcggcagg gacaaaggcg aagcacacac gcacacacgc ggccgacggg 480  
aacaggaaca cggacaaacg cgagagaaa ggaacgaacc cgaaaacgaa ccccgcgccc 540  
agaaagcacc cggcaagaca accacaaagg ccagggcaaa aaccgggaga aacggaaaac 600

ccaaaagggg ggcccaaagg cagcgagaga aaacgcccag gacggggaaa ggcaaaagca 660  
 aaaagccccg accgaac 677

<210> 6544  
 <211> 518  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6544

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 cgtcgtgaag ggagatagat acaggccagt cgggcatcgg aacagcgca acaggttggc 180  
 tttttgaaat cgcagcggag atgctgcgcg cgacactcag tgcaagcgac ggtcattgtc 240  
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 tcgccaaggc atgtggcacc agacgacgta aaggattaaa ttaattaat tttaccaatt 420  
 ttaattgagc gccaaacttt actgtaaact ggactaggct aggctagata gcgaaaactc 480  
 tagtgactct acggtaatgc cttgttgtag cggaacc 518

<210> 6545  
 <211> 630  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6545

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 ggggaccgta agcccagagag tttatagagt gcacttgaaa ccgaggatc aagtagacga 180  
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 gtagtttgtt atcacacata ggtttcagta actaattgta tcggttaatt tctatgtttt 420  
 gggggcaatt tcattgggag caattttaaa gagcccgttg actattttga ccaagcttga 480

atggatatac cgccacggcc gaaagactga ttactgcat gctctgatgc tttattgagc 540  
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<210> 6546  
 <211> 562  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6546  
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 atgccgtctt cgcctataaa gacgtctcaa cccggcgctt ggggccatct atatccgttc 180  
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 gtctgggtccc taggagtctt gcgatctgct ctaggcaaag cgtaggtacc catatcgcg 480  
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<210> 6547  
 <211> 605  
 <212> DNA  
 <213> Aspergillus nidulans

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<210> 6548  
 <211> 711  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 6548

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 catcatttgt gaggcgggta tcatattgtt atggagggcg gcggatcaca atgatgaaca 180  
 gttgattcta cacaaaaaga ggcaatcaac gagatgacaa cgatcatctag gagttagtaa 240  
 agtgaatatt ctccattaga gataatagct tgataccaag ggcatggtcc aatgcttcat 300  
 ttagttgtcc ctgcaaaggc tacagcaata cgtcagtcac gtgcacgcac gcctgtttgt 360  
 tgttcttcac tatcaaccat ttctactatt tcatcacctg cttcactcaa atatctctc 420  
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 tacggtcgcg caactttcat gattcgcgaa taacggcggg cactccatct tgagggtttt 600  
 tcttccccct aatttggcga aaataattgc atttaactct ggttttgcac atttgtctat 660  
 cgngatccat ccaaaagcgg cttccgaccg gntgttcaag cgtttgggct c 711

<210> 6549  
 <211> 727  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 6549

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cttgaactgg	aaaactaaat	tccgctaacc	aatcatagga	cgcctagatc	cagaatgtca	180
gccactatcc	cggatctggt	aagaggctcc	tcaccccaca	gtccttagtc	acgggctctg	240
aataacctgc	cgagatttcc	acgagttgcg	aatccccgtc	ccgctcgat	tttagtgaca	300
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tcgggccatg	tgtccgtttc	tcaagcgcag	ctcaccgaac	acccttcggt	cgttggctac	480
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gagttta						727

<210> 6550  
 <211> 713  
 <212> DNA  
 <213> *Aspergillus nidulans*  
  
 <223> unsure at all n locations  
 <400> 6550

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gantaataaa	aacaaccag	ggaccaggaa	agcccaaagg	ggacgccgac	gagacgcacc	180
aattactggg	cgacacggcc	gcggccgccc	caggggactc	taacgaaaaa	cgcagggacc	240
caacaaaaac	gagaacgcna	cggcacgacg	ccggaaccac	ccaccacaaa	caaggcaaca	300
accacccgac	ccaggaaagg	gaaccgcacc	ccagaaacga	agagaagaga	cagacgcgga	360
gaaacgggag	gaacccgccc	gaagagacga	agagcccaca	agcgcacaaa	gaggaaggaa	420
caaaaaccgg	ccgcaccaga	acacaaaag	acacagccaa	cccaggcaga	gccacaggca	480
agccccgcgc	agcgcaccgg	acaaagaaag	accgcacaac	ccacaaaaca	cacgacgacc	540
agggcaccca	agcaccaagg	aacaccacaa	aaagagggcc	aacacaccac	caagaacccc	600
acccaaagaa	ccccggcaa	acaaaccgg	gaaaagaaac	aaaccgcgcc	gaacacccaa	660

acaagcacac acccatcagg cagaaaaagc cccaaacaca acgccccccc agg 713

<210> 6551  
<211> 820  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6551

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caataccgtc aaggccgaat tcgtctacta gtcgctttgc ggactgcgca aacgtttctg 180  
tacaagactt gtcccgagcc actgcagcaa aattctcact tcccttgcca cccctccta 240  
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aaccagttgt gccgtcgacg ggcattctgc tgtctgcca ctcatcactc aactgatatc 360  
gaccttggtc agcacgccct gtgtcgaccg taccctcaat taaaggagtg ggagatatac 420  
atagaccgtg ccgtcttctt tgaccctaaa tgagacaaat aaggttggtt aacaatctga 480  
tttctactgc ggattcggca tccgcaagtg atgcatggct agtatatacc aggcaaaagc 540  
gtaaaagata tgggagatga atcccaatct gagcgatgaa ggaggttgct ttcgatatat 600  
gcgccaagtc ggatagtatg ctgcattcaa gagaaaggga tctcccagga gctgccactg 660  
aagcgttctg ctgctttacc gcgccagtgg ngaaaataga gcccgaaaac atgaatattg 720  
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gttgaccaa caagaaggga gaaaatggat gtggtgaagc 820

<210> 6552  
<211> 652  
<212> DNA  
<213> Aspergillus nidulans

<400> 6552

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agtcagtctt atggtctgcc atcatgaacc cgacggacac gacatggcat ggtgtacagt 180  
acaggcgctg gaataatgga cgtcctatct ataccataga gtgaatgatt tgcatttcca 240



acatatttct tccaccttct tcacaaagcc gcaggtaacg ccttcttcac aaaaatggcc 300  
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 ctccccctcaa ccttctccac ccttgccgac gcaacaacga cggccccgct ctcatcctca 420  
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 aaccacccgt gcgcgattcc tgtttgcccc gtgatgccac ggccaacacg taaaaaaga 600  
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<210> 6553  
 <211> 596  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
 <400> 6553

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 cgtactggaa cgctctgtc aaggtctccc ggacagcctg gggcatccgt ccagaggagc 180  
 cgcaaacgaa cacagcacct cccttgatc gcaggagatt aaagaccagg cttgagttct 240  
 cccgaataac atcctggaca tagacctttt gcttctggtc tcgcgaaaac gccgtcagga 300  
 ctttgagttt gattaagtcg ctcatgtgct gccattcgtc ttcgaagaag aagtccgcgg 360  
 ctcgattccg accgccgtac acgagaatcg tgggctcgat tggcggatct acgccggggg 420  
 ttttctctag ataggacttg acgatcgcgg ctntttccca tagcatggat cgntaaggcg 480  
 caacacctgt gcccggctct atcaacatcg tagggccgac tagttggccg acngacgagt 540  
 ngagggccgc ctcggtgcgc tggaatcatg gtgtgcttac tgggtcgagat ggaaat 596

<210> 6554  
 <211> 533  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6554

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gatgggttttt tgccgggagg cgcagtagca aggtgctcgg gctcgggttg cagagttgga 120  
catagccggg cgatcctcac ttgaaatgag cagacacgtc tgcttccatg tagtcgctgt 180  
actgcttgac ccaatggacc ctgtctatga tacggagtga ctcaaactga accagaaacg 240  
gatatcggtt tcatgtatgt ggtggaactc actagttcga gacagagtat ggtgggctga 300  
ggccatggac actgtaggag ggggaagact gacgtacagc cggcgccatg ctgcaacacg 360  
gccgtaacga agcgaccatg aggctgtgct caacatctag agtcagcacg atgggctggt 420  
ggatggtgct ttgcggaaga acagggacag ctcaagctga cgtagtccat gtatatacaa 480  
agcaggggca tgcgcgatga tctggtgcc a ttgcagagtc agacatgagc tgc 533

<210> 6555  
<211> 1196  
<212> DNA  
<213> Aspergillus nidulans

<400> 6555  
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accgccgtag tgcattcagtc acggtgacga atgccgatat cagcccagtc gacgaggtgg 180  
tgctcgacgg ggcccagcgg ccgctgaaaa actggccaag aaggaaaccc aacggtgtgc 240  
agctaaaccc gctgtggata atcttgagaa agagcctgcg cctcacggcg agctctacca 300  
tcggcatatg cagggcagta cctccactct caaactccg ctaccaatat cccagccga 360  
atcgggactc cggccgtcca gcatattaag ggaggattgc ggttgtagca cccctaagta 420  
ggaataccta atagtgcgct tatagtctta tacagaccta ctgcagatta gctacattgc 480  
tggcttatga cagattgta cgacaccaat aaacgggggtg agacgaaact ctgacaccgt 540  
atgcatgaaa aaggtattgc gaaattagac tagagatgta ataacagtca cgcattatga 600  
cgaaatacct tcataacgaa gcatatttta aggagataac aatgaggcat gataaccggc 660  
tactgttaag aacggtacac acatcaatac tgctcaggtg tcgatcagtg ttagacgagg 720  
ataaccatat aatactgaaa ctgttacaaa tagggaagat atgcgtttcc ataatatcag 780  
gatcatgatt atgtctgaca aagtcatgca tcaacgatca acgtcctatg aactgcatt 840  
ctatgaacta tgcatacgaa agatcacaaa ctcaagaagt acctttacta taaatcgac 900

actgataaat ataatcaatg aaaacgtata tgcattcatct acaacgtatg tacaacagaa 960  
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 ggagtatgaa tgagtaataa tgaacaaggc cgtatatata tagatacatc gaacctgcac 1080  
 aataataacg gatctcaatc gctgatgatt gcttcacgat gaggatgttg attataacta 1140  
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<210> 6556  
 <211> 686  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6556

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 aactacacca acaaccaacg cccccattat cagcacagcg cccaaccaa acaacgggga 180  
 cacgacagac acggggggcg cacacaaccc gcaccacaaa ccaaccacac ccggagacga 240  
 ccaaacccca gacaacaacc cacagatgac acggcagcac aaccgcacc gggccgaggg 300  
 cgagaacacc aaggacagac gcccacacag aacaacgcga caaacagcg accgacaaca 360  
 gccccgagga caataaacca caaaacaacg aacggggccag gaccaacgga cggcggccca 420  
 aaagcggaca cgacacccca gacagacccc aaaaccaggg gccgcgaagg acgggacgcc 480  
 acaagcccc aacagacacc gacaggccga ccgcccgaac gaaaccaact cgacccaga 540  
 agcacaagga agggcaggcc ccaaaaaacc ggccaagaac aaccacagcc ggcaccgcc 600  
 gccacagacg gaggcaaacc gacaacaggc cgcccggaaa ggaggccaaa gcacaaagcc 660  
 ccaggcaacc aaggccacga agagac 686

<210> 6557  
 <211> 1004  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6557

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gggagacgga gtggcgcgat ctgagttttg aggaactcgc attcaacatc atgtccctct 180  
 acatctcacc ctccgaaata ccctctgaag atctcagga tatcattaag cgctcgact 240  
 cgaccttccg ccaccccgag cgtacacca ttgtcgagct tgacgcaaag cagaaccttt 300  
 accttttaga actgttccac ggccctacat tcgctttcaa ggatgttgcg ctttaatttc 360  
 tcggaaactt gttcgagtac tttctcgtac gcaagaataa ggggaaggag ggcaaagaca 420  
 ggcattatct cactgtataa ctacctttcg ccgtccatat gttagtgtg accttttact 480  
 agattgtcgg cgctacatca ggagataccg gaagcgcagc tatttactgt gttcgagggg 540  
 agaaagacgt ttctatcttc atgatgttcc ctaccggaaa ggtgtcgccc atccagcagg 600  
 cccagatgac tactcgtctt gacgccaacg tacataacct tactgttgag ggatcatttg 660  
 atgaacgcca ggatategtc aaggcttttt ttgccgatcc tgatatcaac tccaccaca 720  
 acctttgccg cgttggtatt cctttcctgg acatatctat acctcgctaa ttgccccaaa 780  
 gcgtcaacag tattaattgg cagcttgtca aggcaccagt gaccttccac cttctacttc 840  
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 tttttggcac atatggggca ttccaatcgg taggaccctt aaacaaatgg gcttcccacc 960  
 gtaaaactctt attgtttcac acgatatcga ctacttgacg tttt 1004

<210> 6558  
 <211> 871  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6558  
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 cgggcacaat caagaattca ggtcccaggc catctgccca ggacagcagtt aaggatatac 180  
 tgcagtccgg tgttccgcgt caaacagcca gatgtattat acaagttgca aagcaggaaa 240  
 tatatcagat tgtcgccagt tccaatcgat gtccgcggcg tgaaatccag aacctttcat 300  
 catagggagt tcggtaaaac ttcgtccccg ggaaatgggc cagatgacag cagagaaccg 360  
 ccgaaaggaa gtcaaggata tgcttcagat aaaccgccc cctgctctaa ttttaccxaa 420  
 ggaaagacgt caaaataatg atttagggaa aagtcggctg ccgtctcacc atgctcttgg 480

ctatggcgat tgaatgaaag atagcggtcg tgaagctgcc gagcacgcgt cttggtgaaa 540  
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 cctatcgacc ctgcagctag cagatgagtt cgtttatata gtaccgacca gtgtgagctc 720  
 atgtcaactt tgaagcaa at gtgccgagca ttaatgtgtc agcgtgactt ttttcaagtt 780  
 tttttttaa caaatctgtt tggtcgtgtg tggacacaca actgttggtc gctgaagaat 840  
 gatgtgcccc aaatccaaag ctggaaaaaa a 871

<210> 6559  
 <211> 720  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6559

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 cgccctngac acggaaacac aggaggcgcg cgacccganc cacaacaaca aactaaaccc 180  
 cccttattcg ccaccgagac acccagacac agagggggggc ccaacgaaac aacaggcgcg 240  
 gccaaaacaa cagaacgcgc cgacgcagag aagccggggg ccccgcccaa gaaacagcga 300  
 aacaacgaca ggcaccacta accagagaca aaaggacccc gaggcgaaac ccaccccgca 360  
 aagcacaacc cccccggcg aaaaccacaa gagcgcgagc caaggaagga ggaaaccag 420  
 ccctacgcc aaccaaagcc acccccaaac ccacccggca caaccggcag aaagcaaagg 480  
 gcccaaccaa aacccaacg acggcccccc cgggcaccaa cccaacgcaa aggagaccaa 540  
 aacccacca ccgaccgacc caacagcaaa aacaaagccc cccccccacc acaacaaaca 600  
 gccccggaca tgcaaccaa ccccccaaa aagggcccc ccaacccag acggcggcac 660  
 gcccccaaa caagaaccaa gggaccgacc ccaccacaa cgccgacaca aacccccaca 720

<210> 6560  
 <211> 1071  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6560

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 gaaagatgaa gaaggacgga ggagaggaga ggaggggttat gaaaaaatat acggagaaaa 180  
 gagttatggg aaaagataaa agtggaaaag caggtataat taaagttgac ataagaaatg 240  
 tgggtgaaaa gatatatgga gagcgaaaac gttatgggtg gaaaaggtag cgtaaactaa 300  
 cgagcacaaa gtgaataaag ggcctttttg agccaagcaa ccattttcca atgggggaaac 360  
 accaatagca aatgcggcga tcggcattca acttcagagg ccaaaggccc caactactta 420  
 ggccgcccgtg ccagtattcc ggccaatgca caaaccacct ttctgtcacg ttcggagcct 480  
 ctcaaacttc tacaagatgt ctaaactctc cccaagccta aaggcgctga tcaattcgcc 540  
 caccgcccgt ccaaacaccg tccccgcgcc gcgcaatatc aggtccgtct acgccaagat 600  
 ccagcaaacc gcgcaggaaa agaattgtctc gaggaattca tggattgctc tatcagtgcg 660  
 cttcgcccac ccagatatgg acagtactgt ctagatgata atacttgggtg actaatttat 720  
 cgtggtgaag acagcagcta ccatgacgat gaactctgcc gcctgcctaa ccgccctata 780  
 cgaaaccgca acatgctgag aaccaagcga actcacacac attgagaccg gggaacttat 840  
 gcccctgaag gggcctgaag tgcataagct ttaacggtat ccctggaaca attaaactgcc 900  
 tcaatgcctt caaagcgtct ctacccgagt cgatcgctt ggcgctgtca aaggaaccaa 960  
 ccncgacccc ctgaccgaga atatcacgga gatctcaaca cgcgggagga tctttggact 1020  
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<210> 6561  
 <211> 926  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6561  
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 cgagtcctca agagtaacaga gtacaaagta gcctccttca aacgccgaaa tagagtttta 180  
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tccatagttt ccccttaact tcagtcatac catgggtcat ggaatttaga ttgtgtgttc 300  
 tacgccgatc attggtaaaa gtagccccga gcccgaaagcg tcagcttgaa tgcaagagtt 360  
 ctattttggga cctcgtcatt ctatggattt tggataatta agcagacata cgaggtactt 420  
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 gctctgcagt atgcccacgc ctcaactetgc agcctgcgct gctgttctag tcgcgaacaa 540  
 agcacacgac gactgtctgg atactcagta cgccttaatc cagacggtct ccagacgata 600  
 gcgtcggatc taatcagcgt agtcaattat ctaccgggggt tgagctggcc ttctcgcac 660  
 ttcgggccag tcgcgctgca atttccaatc aaagtaccac caaagtacga acttctctac 720  
 ggtatgggat gatagctttg actgaaaccg aatcggggag tcgctgcata cctccctgct 780  
 agcatgactc tatgccgaag ccttgtcttc tctggcaaca ccgccgataa aactaccact 840  
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<210> 6562  
 <211> 1562  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6562

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 tgggtgtggag agagatggat gtagggagat aaggagaagg tggagattag gagcgtataa 180  
 gaaagtagga gtagaagaaa gaagagaatg ggaatgtaga taagaatgta gagttgtgga 240  
 atgaggtagg ggatagtaat ttgtagagtg gaaggaggtg tgtagggat gggcaaagtg 300  
 ggataatggg agaagtgtga ttgtagtggg gaagggaag atagtgggga gaatagagag 360  
 aaaatgtaat taagaggaag atggtgatgg aaggtaataa tggaaataga atagatgatt 420  
 gtgtgatgat aaggacaata gtagaagtag tggcaaatga gtgaagggga tattaaagta 480  
 gatataaaga taaaaaaggg agattgagtt agtatgaatg agagaggag aaagtgggtg 540  
 actgaatatg aagtggaatg aaagggaat gatatggaaa tagagagatg gtggctggtt 600

agaatatatt gaaatagggg aagaaagaga gtacagtgtg cagcaggagc gtaagagaca 660  
 cgatttaggt tagactcaca tggcggacga gcagggcgtc catcttatag aactcgagac 720  
 cgagacatct aactcaggcg actatcttcc aacgagcgta ccgcaagcg caaggtgagt 780  
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 catgaatcat ctgaacctgc gccgcctcct tcccaaccag aaaatctacc gcctggccta 900  
 cggccgcgag gttttgaaat agcatatagg cgtccaaggt caccttcatt gacgcgagtt 960  
 gcaagcagcg agtgggttga tcctgatata tatcgataat tatttgtttt ctagagatac 1020  
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 gtgcttagca ctgccgctcg tacattctgg aattcactat ctatggctag ccaccctcgc 1140  
 gtgacaaagg ggcaatggaa aatacaaggt caaaagcagg ccgcatcggt gccccgtagc 1200  
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 tgatatcaag ttcgagagac gacgctgtga taaggcaagc agagaaggaa ttacagggtt 1320  
 ccataaagcg gcgcttgacc tgaatatgat attgatgagg ggcctgtccc cctgccaaaa 1380  
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 gtagctccgc tacatccgca tccagatcac cacctgcgaa cttggcatag tcctcttcac 1500  
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 at 1562

<210> 6563  
 <211> 422  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6563  
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 gcctagtcga tattgcttat ccttgttctc gaacctcgac taacgttctc ccctcgatt 180  
 atgtttgaca cttgggattt tctcgagata atagactgaa acgcaaagct gagactagcg 240  
 agctcctgtt tctttcctgt ttatttctca gaatcatggc acaataatac cggcaataag 300  
 agcgacacaa ttatagtggc ttacatgtc gatgaaagac gcacattcaa tacactcatg 360



ccataccaca gttacgtaca acgaagtgct ctgctagcgc agtgtcgcga tagtaaggaa 420  
at 422

<210> 6564  
<211> 718  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 6564

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aactagtgcc ggccaggcctt cctgcctgag cgtgagcact gacatattct tctctccctc 180  
atgatgcaag gttctgttca ttcctttctga cgatcgact caaatagggtg ctccagccat 240  
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aagtccaagc cgaagcatgc aatttcagtt ccagaaaggc gaatcgcaaa gtcccagctc 360  
ttgagtttct ttacattcat ccggacacat cttgtgcccc cgtatctgga ctgggtatca 420  
tctaccagc cagtgcacaa gacagagggt gaagagacag gcgtgaagaa gatccctccg 480  
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gagcttgccg cctaagaaaa gagattgcgc atccaccgcg gccagaaacg tcttttatgc 600  
caagtactgc ttcccctcca gtccttcga gcatgaagat gtctacacca agcagctaga 660  
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<210> 6565  
<211> 1262  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 6565

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<210> 6566  
<211> 854  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 6566

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<210> 6567  
<211> 525  
<212> DNA  
<213> Aspergillus nidulans

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<210> 6568  
<211> 593  
<212> DNA  
<213> Aspergillus nidulans

<400> 6568  
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 aactgatctt caaggatgaa acgtgatggg tggtagtctt cgggccttgg gtgagaaatt 540  
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<210> 6569  
 <211> 606  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 6569

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<210> 6570  
 <211> 714  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6570

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taaaacctac ggatcgtctt tttggtcagt gagacagaaa aattgacaag acgaacaagc 600  
ttaccaatta cgctgcatt gagcaagtcc agatgcgctt gggaaggcag agaaagccgc 660  
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<210> 6571

<211> 606

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 6571

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gaagaaagaa acanacaacg ccaacgaaga agcccacgaa agcccaacaa aaacaacgac 180  
gcaaacacga cgcaccccgcc cccgacaccg gccaccgcca aggacaacca ccagacgccg 240  
aagcccaacg cccgagacac agccaaaggc cggaccgcac gacggccacc gaccgaagac 300  
aaccgcacca gcaaacacag cacaagcaca cggaccggc ggagaacgaa cacagacacg 360  
gagcacgcac agggacaaaa gaccaaacag gcccgaaaaa ggggccaac acgagcagaa 420  
ccaagggccc agacgaaaa caacaccagg ggccgaagcc cccccaag aggcacaagc 480  
ccgaacccga aaaacccga gacccccca aaagcccaag caccaaggca ggccaacac 540

aaaccaacgg aagacccccca agaccgggaa aagcccccca ccacggagcc aaaccccacg 600  
gagccc 606

<210> 6572  
<211> 833  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 6572

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tcggtggtga ccgtagggac caaggtccgc cccatatggt ccttgGCCct cattcaaggt 240  
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<210> 6573  
<211> 1637  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 6573

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<212> DNA  
 <213> Aspergillus nidulans

<400> 6574

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ccaaaggcca tctcataagc ctggagccac ctcacataca aggtagccgc aacccaaagc  180
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<210> 6575  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6575

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ctgtagtaga aactggcaca acctgtgcgg tcagctcgga aaagattatt tcacataggg 660  
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<210> 6576  
<211> 559  
<212> DNA  
<213> Aspergillus nidulans

<400> 6576

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<210> 6577  
<211> 1081  
<212> DNA  
<213> Aspergillus nidulans

<400> 6577

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<210> 6578  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6578

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 gaccacgca ctagccatct tcaaggactc caatcaccag gtgacgcaag agacatgcgt 420  
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<210> 6579  
 <211> 985  
 <212> DNA  
 <213> Aspergillus nidulans

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<210> 6580  
 <211> 721  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6580

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 aatccaacag accacaaaac ccccccaaca agcacggcac caggaaccgc aagaacgcca 360  
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 gaccacaccc acaaggacag gccaccgcca aaaaaacacg gcagatccac aaaaaccacc 660  
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<210> 6581  
 <211> 387  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6581

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<210> 6582  
 <211> 835

<212> DNA  
 <213> Aspergillus nidulans

<400> 6582

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6583

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ctctgctgt agactgggag cttatcgtgt cgtccattct ggtagtatca gaacatcgac 480  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6584

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<210> 6585  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6585

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 <212> DNA  
 <213> *Aspergillus nidulans*

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 acaagtcac cccattatgc cctgaccaa ttcctaacct acagagtgag cgcaacaaga 480  
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 <213> *Aspergillus nidulans*

<400> 6587

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<210> 6588

<211> 488

<212> DNA

<213> *Aspergillus nidulans*

<400> 6588

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aaagggcctt ggtcggactc ggagcttagg tcgctacgt caagctcaaa aacaccagag 300  
acctcggaga cggattatca gtgccgccga gaatctaacc tgtttaccag ggcttatagc 360



ccagaaaaga aaaaaaagaa aaggaacagg aatcaactcc aactccacag ctgtaatttc 420  
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tatgagag 488

<210> 6589  
<211> 666  
<212> DNA  
<213> Aspergillus nidulans

<400> 6589

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<211> 665  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
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 aaatagaata gaacagaata gagntaaata aaattaaaat caagtcattc cgctgggtgtc 600  
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 <211> 1335  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 6591

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 gggctatcag aaatcaatgg atgcaataat agcgtcgtcg tatctgggat ctctgctaatt 240  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 6592

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<212> DNA  
<213> Aspergillus nidulans

<400> 6593

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agcatgatgg tggtatcatc ttgcgtacgc cacatcctgc ggtgaagatg aacttacaga 360  
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<210> 6594  
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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6594

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 agacaccccc tgagaagaag ggggtggttca cttggttggtg gtgaactgtt catcaatcaa 660  
 aacacaccgt aacgaagtat gacttatgac gatgaccatg aatgagtatt atgaggaagt 720  
 caatgcttta gtcagatata tgtcaatgag tgtcagatcc aagtaccagt attagtattg 780  
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 tgcccgatct tgttcttgat taattttttg gcgtgtaatc tatactgttg tctttaggat 1020  
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 <213> *Aspergillus nidulans*

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6596

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 aagttatgtt taacgtcgtc acgtgtcacg agacaacttg gtggctaata cctggagggg 240  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<212> DNA  
<213> Aspergillus nidulans

<400> 6598

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gaaacgggtc tgcttgcatt tgtggagtgg gtgaataagt tgcttgagcg tgagccgccc 180  
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atgatttcgg atttggcgag gattacgagc ttgttggatg aaggggagca gcttatgatt 300  
gatgcttagg caggcttcta gcttttgtat tctttaacga cttttgggag gatctctgtt 360  
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tagatgtcct attcattctc caaggcaagc aactgagcat ccagcttttg atatagcatc 540  
cgtagaacac caaattcctg ctttaaaaga aaaaaaatc catcatatcc acttccatgc 600  
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<210> 6599  
<211> 463  
<212> DNA  
<213> Aspergillus nidulans

<400> 6599

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gggcttgccg ccaccgagac cgattcatcg tgcacatctt ccacgggggac gacctgttct 360  
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463

<210> 6600

<211> 412

<212> DNA

<213> Aspergillus nidulans

<400> 6600

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tatgacgttt tatcagatta attgccgatc gtgtaacagg cccatttttcg ggggtgaatca 180

acattttctgt gctataccag atttagtggt taagatgaca gaacatcaaa acattttgtat 240

aaatgcctaa agttgaccca aaaagcctga tttttttttt ttacgaacga ttcttttagt 300

ttcgcaacgt ataggtaaatt attggatgat tcgttatccg tagaagaaaa ttctcacaag 360

tttaaaattt taaatttcac gaaattattt ttctgcacaa agaaacactg tt 412

<210> 6601

<211> 572

<212> DNA

<213> Aspergillus nidulans

<400> 6601

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ccactattgc acccagcttc tccgtcatca gtacagtgcac tggcaaaata tctgtagtga 180

tattcctcct ccgactgcta acgttatctg ccaaaccgtg gcatcgatgg tttctccact 240

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gtcggccgac gaggaagata tggctgcctg aaacgaagcg gagttgcatg agttcaagat 360

cccagcttgt cgctgggata tcgcaatctg gtaagaaacc tcgaccaatt tcatagtata 420

tctcaggtag aatgaggatg ttttaattat tctctgagaa atattgatca cataccact 480

cacagcattt aacgccttcg caaactgggc actcgcactc ttcccggcaa tcttatttcg 540

caagggtccag ctaccgcttt taagaaggtc ga 572



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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6602

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gagactacgg agggcctgtg ctgaacatgg actcgctcga gaccacaacg acgcctgcac 360
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<210> 6603  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6603

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gagtcggcgc ctggtgccac taacagaagc cctgcccctg ctggactcat tgttaggatt 180
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tctcgactgt ccggaccctg gtcaaaggcc gaactcgaga aattggaata ctgaaggacc 480
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6604

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 tgatcaatgt aaatgaagct gctaagcagc ttcagataat ccagaggatg gcctggactt 180  
 actcgaagtg gacttgacgc tgtcctggtg tgtttttctc tttcattgct ctctattgctc 240  
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 tacatagtat gagtatggtc aaagggtttt tgaaaaacat tgatcaaaat caagcttgat 420  
 aatagaataa tctgcagtat tcttataaga agctgaaaat ggagaaatga ccaacgaaag 480  
 ctctgttaga cgcgaagtag ctttatactg tcgttcagag ccagcccaaa tcaactttgt 540  
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<210> 6605  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6605

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 tgctaaatga acaatagccg ttagttaaag ttaatatagc gagtcaaggg ggcgactga 300  
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 gagcgctttg ttgtctcatg gacttaggta acacaacagg tggaagactt cagttgcgac 720  
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 <213> *Aspergillus nidulans*

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 gaggtatcaa accacattca tgacaatgga cagaccaacc aagatctgaa aaaggactaa 180  
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 ctagaataaaa tgacctatgt accgtagcta tacactacac caagtgccat acaggcacia 300  
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 cctcccgaaa tctctcaaac atatagcata aataagtgac aaacaaaaac ttgggtgtaa 420  
 ctgtttgttc caagacgcac acaatttaac tccagactag aatgctgaca cagcaacatt 480  
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 <211> 477  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 caaggggtgt gctgctcgct atgtgtctgg caagatgccca gtgaatgccg gcagtgtgcc 420  
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<210> 6608  
 <211> 475  
 <212> DNA  
 <213> Aspergillus nidulans

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 catccaacat accggggggc atattccggt tgtttccgga gctacatgac acgggcgaca 420  
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 <212> DNA  
 <213> Aspergillus nidulans

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 tatcggttcc agtatgtgct agccccctgt ataaacgcct ggacgtgccg atgtggatac 780  
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 <212> DNA  
 <213> Aspergillus nidulans

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 tccctttatt tcatacaagc tagggacaaa tcccttcaat tctcaactgc tgactttgac 240  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 6612

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 aagcccgggg cagcgaacgc atataagcac tgaaaccgaa aacagacagc aaaactgtac 240  
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 aagatagaaa acgcatcgga gcaggaatca aaactcccc tgaaggggat gaacagcagt 360  
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<210> 6613  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6613

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<210> 6614  
 <211> 749  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6614

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 gcttcagcgc tgacactttc acattactt 749

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 <213> *Aspergillus nidulans*

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 acctttcttt gctgcgggga tactcgagct cgtagcagag agtggggcag aagatgaagt 180  
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 <211> 945  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 cgagggacgc agcttcacgt aacgctctgc tttggccttg gattccccgg actgccccaa 240



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 caggggctcg aggatcgtaa attatatcaa gggggctgct gtgtatgtgg agacttgtgc 420  
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 tttggtcaaa aagtaagaaa caccctgttt ttaaagagtt gtgtgtgccg agaatatgcc 840  
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<210> 6617  
 <211> 671  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 cgtgtctctt tgtttacttc acttgacctt gctgaccta cctaccttac cctaccacc 180  
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 agaactgagc acgagtaccg ccgtcgttac cagccaacct acgacgttca ctctcctac 420  
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 tctagccgct ctttctggcc taacgtcgtc agttacgatc gcgaatacaa ggctttaacc 540  
 ctcgacattt ctagcgggac ctttacacca accgtcaggc agtgtagaga gtgtcaagac 600  
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671

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<211> 968  
<212> DNA  
<213> Aspergillus nidulans

<400> 6618

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tctattcatc tccgcttctt ccaacctaca tcccgccag ggttaatcgg tgactgcgcc 660  
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ggaaaagg 968

<210> 6619  
<211> 549  
<212> DNA  
<213> Aspergillus nidulans

<400> 6619

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 gccactgggg gcaccagctt tacaaacccc cagatgtgca tgatgtggga ttaccaaag 240  
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 gttccaaaaa gtcttactgt gcatgcttga cgctaatact tctgcacatg agttgcacga 480  
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<210> 6620  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6620

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 gttgcgcggt tttgggacaa ctattcagaa ggaccttcag gatctggaac ggccaaatca 480  
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 atctttcttc acattattct cttat 1285

<210> 6621  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6621  
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 ctacaggatt tggtagtat ccagagagtc cctccataa gcaaacttac tgggcagccg 180  
 aaacagtatc gaccatcgat ccagccggtg attgcacagg caaagctcag ggatcggccc 240  
 agaaagtagt attatcccta tgggtctgatt attcagtatc aatcttgact ggacccgatt 300  
 gcagatgttt gcagggctaa cgccatcata tttgatgaca ctgactgtcc tgaacgatgg 360  
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<210> 6622  
 <211> 827  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6622  
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 tactccattc tgatgcgggt ttgactcggg cgagatgca attgtgctaa aaatcgcgag 180

gcgaatattt atattcaaaa tcaccagatg gaaagaataa cgtagaagag gtcttttgag 240  
tcaattctca attgaggttg cgattacgta ggggtcgaag attctgagtg acttgcgaga 300  
cacggcgaga cggtgccaag ctattgcaat gggtcgggtt gtcgccaatc taattggctg 360  
ctgtgttctc taccgagcca gttatcttgc cctaagtaat ctatatacaa gatattcgag 420  
cactctggaa gtacgaagct tgttgattta cttttatgta gacgacaaac accagaaccc 480  
catgatcttc cccaggggat ggccacctgt ttttgaatta ttaagcctag tgaaccatgg 540  
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tctaattggc tggttaaacta ttctaagggt atgccgcaag ggtcttcttt agcaataata 660  
cttaactcac ccccgcgga aaaatggggc gggtttctgc tgggtgccct aacttttaaa 720  
cttgtgcgct taagctctag cccactcgaa ttacatggac cctgtaaat attcaaattt 780  
ggatagccgc cccccgggcg cttacttcca aggactctg aagtttt 827

<210> 6623  
<211> 595  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 6623

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gtcgtgaccg gcaactgcgc cgcaaccttc aacccaacc gctgcgcata ctgccgccca 180  
cgcattgtga taaatctccc gtggccctgt gatctgctct gcagctggct ctgactctgg 240  
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ttggaggctg cctccggagg agacgcggta ggtggaggtg ttgaagggga gggccccggn 420  
gaaggagaga gagaggtcga gtttcgccgt cggacgagcc cgcgcacagn accaacgac 480  
ttntcttcac ccaacagggc ctgngcagt gcttgagttg gaacaaggca ccatcgacgc 540  
ttgcactgat tgtggtaccg gcgccgaaaa ctgattcttt aactagtagt ctgga 595

<210> 6624

<211> 710  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6624

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ccttgaatgt aatggcagaa cgaagtctta tatttcccaa gcttattttc tctcattcct 180
gtcttgatct atccatgcta taacaaggca ccaacaaggc ccatatgtca tccctctgag 240
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taggaaaata cttcattctc accaggctac ataagattca cattattcca atttcacctt 360
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ctattattaa atttgcgatt gatagcggtg accattcgag caaaattttt gaagcttaaa 480
aactttgcat cgctaattgga ggtccatctg tcttggttcc gtagcccagg gtgcagctcc 540
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ccgccctttg gttagatatt caccaaaata acattttgga cggtcattct cgcgtagtcc 660
gatctttccg tcgactacac tcgggatctt ccattcatta tgaattcttt 710
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<210> 6625  
 <211> 469  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6625

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gaaagggatt ggatgatcta acaatgcttg tgtcactgtg gacggtgcaa ccgacggatt 180
gttgcggtcc acagtaagga tagacacctg taatgcgctg atagctaagc acagtttcag 240
gaagctagac atgactaatt gacaggcctt tatttttgta gacgtaatgg tgagggttag 300
gttaatgcgg ttctgcacgg acgtctgcgg taatcgtggt acaagggggc ttgacctgct 360
cgtggtggtg ctacgcgcaa taattgggta cttggagata catgggcca ttgtgcgggc 420
tggttttaggt atatatatct tagctaagac tggacagcag aattgtgtt 469
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<210> 6626  
 <211> 622  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6626

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agacggttcg agacactact gcgcgtagacc accacacagt tgattatatg atagaggaat  180
aataatgaaa gaagaagtgg aggggcaaga ccgcaggagt gagtgggtaa gagggacggc  240
agcagccagc tttccgcttc aatgagaata gccggaacaa gcttgcgagt cgcgacgacc  300
ctgagtacgg ttatcgacag ggggtaacta tccaggagga accaagtcca gagcgttcag  360
aggaatgtta ggagaagaag aaaatatatc ttttaggcgt caaaattgga tgagttagta  420
aaccgagttc acggaccatt caatgaaaga ggcccaggca cagttaagcg cggagcaaag  480
aggagccgtg ggcgtgaaga gaagctagca tgagggtagg cttctgactg atagacgtgg  540
cgaccgcaaa agaactaaag agtgggtgtc gggcctgtcg gcatccatag tttttttttt  600
gtttttgaaa aacctcacc ctc                                     622
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<210> 6627  
 <211> 824  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6627

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ccttgacaaa acattccttc gcggaattcg gaagactgat gaagatggtg tcgccggggtt  180
caagactgtc tttcctggcc actactccgg ccgcacaacg cacgttcacg tcgttgctca  240
cctcaatgca acacttctgc ctaacaatac tcttacgggt ggatacgttc cccacattgg  300
acagctgttc ttcgaccaag acctgatttc cgcggttagg acgacctacc catacaaac  360
caacaccgta gcgatcactg agaatgcaaa cgaccacgtt gttatagtcg agactgaaga  420
tagcaattcc gaccggttct tccaatatc tctgcttggt gactccattg aagatggcat  480
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 tttctgaatg cacacagatc aattaactga tatgtgtgaa tgttggtcag ctttgcaagc 660  
 gtctcgtttt gtggatttgg ttcactttgt tgctctatac tgaggctgtt tcataagctg 720  
 acattacttc aattccacct atttcttttg agaaaaacca taattatcct gattgaagat 780  
 accccaaaac aaaatacgct ccttaccggt tcacgatag acac 824

<210> 6628  
 <211> 635  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 catagcggtc tccgatactc gtgatcattg aattgcaacg aacctgttgc gtgatgctgg 180  
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 atataaagca aaagacggcg aggttacggg catgttggcg ggtcgcgttg agaacgagct 360  
 tgactttctc gcgaatactg catgacgtag gtatgtcagt tgatgtcgcg cggccgtaag 420  
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 tccggatcga aaaagaaaaa tcattctata acagaaatct tattagcata ctatccgtga 540  
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 attctgcgcc attgctaata ccctttaatg gtaca 635

<210> 6629  
 <211> 534  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6629  
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gtccgaccat tataacttaat ggaggggata ggaaccacag ttcatacaca aggacagacc 180  
aaccaggacc gggaaaaggg ctaagatcga tgcctacttt gaagacaaca gactgaacca 240  
aagggatatt tttgtctaac cgaactcgca tattggagca atggaatgta gctatacacg 300  
acaccaagtg ccagataagc acgaatcata cactgcctag gcacgggata atcgaggacg 360  
agacatatga agtgggtact cctgctctct gaattgtttc aagacataga gcataaagag 420  
ggtgcagaca gaaaacttgg ctgtgactgt gggctccaag actcactgga ttgaactcca 480  
gactgagaat gggagagaat aacattataa cagcaaacgc aagatcagtc aaga 534

<210> 6630  
<211> 655  
<212> DNA  
<213> Aspergillus nidulans

<400> 6630  
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ctccttgatg tcggaggcgg agggagactc gttgccagca agggcgagga ggaggtaggc 180  
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agccgtcaat tgaggaaatc acatactgtt tgatttaact atcgaacaag agaataatc 300  
gatttaaccg caagttgggc ggagactgaa acgtcgagtt cgggttgggt tgatgtcgtg 360  
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tcttctgagg gcctgaaact cacactgcac cagcaaaagt ttggcatcac gtaccttgat 600  
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<210> 6631  
<211> 416  
<212> DNA  
<213> Aspergillus nidulans

<400> 6631  
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 gtgactgtga cccaaggct cctctcatgc ttacgtctc taagatgggt cccacctccg 180  
 ataaggagc tttctacgcc ttcgggtcgtg tctacgccg tactgtcaag tctgggtctca 240  
 aggtccgcat ccagggtccc aactacaccc ctggcaagaa ggacgacctt ttcacaaagg 300  
 ccattcagcg taccattctc atgatgggtc gtttcgtcga gacaataaag gatgttcccg 360  
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<210> 6632  
 <211> 592  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 cagagactgc tccagccatg ctgattttaa gacagcccat caggcagggt agaattattt 180  
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 tttggcgtct aggtactaga aactgcaga tcagacctca tcgtactggc aacagaccat 360  
 gcagaccctg gccgcgtcta tagcaaggca atataaccag ccactccacg agcaggtggg 420  
 tgcaggaaag gcgacggcgt atatggtaaa atgtcctagt actttacagt ccggcattta 480  
 taagctaaag tttgacagta cctctgtgca ctctgttggt aactaatggg atgcagaacg 540  
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<210> 6633  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6633  
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 ctgctcacac gtttatgaac cagatccct tcccctcatc cgaggtcaga acgaccggaa 180

gaggaagttg cgatggcctc gcagtgggtc cttattttct ttttccttcc catttatctg 240  
 aatcgacctc tcacattcac attccatggc catttgtctg cccacttggc ttccaaatta 300  
 ttgtaccgcg aggaattaat gcgggaacaa tattatgatt agatagagtg agaaccagcc 360  
 agcaaaccct tgaacaaaga cgacaatacc ccttcagact ccctcggtcg gaatctgagg 420  
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 caagctgggg aagcttcgct agttctcatt ccgcttcccg agaagcttct tcaggcgaag 600  
 aactctgca gtgtaattct ataatactaa acacgagcga ctcggagaac ccgtcggacc 660  
 agttaaaccc aacccttttg tgctgagcct gctgatgatg ttacccttac tgtgttttga 720  
 actccccatt ttccaatac ctcagtttat atgataccac cctaaccgtg tcttaacagg 780  
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<210> 6634  
 <211> 911  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6634

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 aacctggccg ggcctataag gctgtgactt cgagaccggt ctgcaagagc taacagtagt 120  
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 ggacggtcag tgatgctgcg cgacatcgga cagcccggat aatatatatt tgaaagaccc 240  
 aacagactaa ccgtgccagt taacagagtg ggcggttggg gccgcaaaa cgagcctcgc 300  
 caattctgaa ccagtcttat cgccattgtc ccagccaaag gcgcagtctt cagccttcaa 360  
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 cactataatc ccttcctttc cttttctccc tctccctcgc cccttcccct ctttccttct 480  
 tctccgcttc tacctctact tcaaactcatt tttcccatat ccctttaaac ctcccttgtc 540  
 aactcatcaa cgattaaaac cttttcccat ggacccccaa gcgcgtaccg gcttcggggtt 600  
 gtcttctacc cccgataata cccggcaacc gccacggcac ggaggcccgc tgggccttct 660

agtcagagtg cctgcctatc agaatcgcag agatgtcgag ctgctcttga aagtcacaaa 720  
 tcccgcttaa cgggacttgt cgaggggaaa aggaggaagg gagagggcac tatgatgtac 780  
 cgtgcgattg gttttgcacc tcaacctttg tcaagctgaa aagggcgggg gcgtaaacad 840  
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<210> 6635  
 <211> 474  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6635  
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 cgtgtttgtg acccgcccta gccgccagtg cgtattgtgc cgcgcgtact actgcgatct 180  
 ccaactccac aacgtcgaca tcgacgcgat acctccagat gtacaatatg gccacggatg 240  
 ctaccaccgg aatcaaggca atgcaaggac aatgggagga catttccgtc tatagattcg 300  
 agattcgcga gcacatgatt atggcattcg aggggtgcttc gtgcagcatc tcggatgtca 360  
 atggccagca ccaagctagt ttcgcgagca aggatgcgct ggtacttcgg gaggttcgac 420  
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<210> 6636  
 <211> 604  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6636  
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 caaaggggac acctgggaaa attaaaaaca tcaaaccac aacccacaa aaaactatta 120  
 caattaaaca atcaatacca cctaatacaca gccatcaaaa cctactatta accaaacatc 180  
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 ctaccaacta ataacaaaac gcttataaca ccataaatta attctaacad taaccaaata 300  
 actccaaaaa aacataacct aaacaatttc caccacaaat acataaatac aaacaaatac 360

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ataaccaaac	taaactaaat	tattaccta	acctaaacta	caaattta	gtatacat	480
aaatactatt	aacaaaccct	ttaatacatt	cataaaaaaa	ataccaaaac	tccaaaaaac	540
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<210> 6637  
 <211> 357  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6637

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ccggcccgtc	gttggggctg	gcctacctgg	caattaccaa	agccctgtta	taggaattcg	180
cgctttttct	ccagtccatt	ttgtgcatcc	gatggagcac	ggagctctga	tatgcataat	240
atactgtcag	tatcaaggac	tgacagcatc	tgtgcgctg	attgccctaa	cgacctctgg	300
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<210> 6638  
 <211> 984  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6638

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ataaagaaaa	ccaaagaaat	tagaagaaag	agaatattag	aaaaaaaaact	caaatataca	180
aaattagagg	gagacaagat	tttaactaaa	accaactatg	aaagattaaa	tgataaacac	240
acagttacgt	atcgaatgac	aagaaaaaaa	aaaggtacca	aacaaaaaag	taataaaacc	300
atacaggcac	tggcagctaa	agaacaagat	tacagaaaaa	cacagggtac	gagtgtaaaa	360
ggaaacgagc	aaaataatag	aaaacagggc	aaaaagacga	aggtatatat	atactgtaaa	420
aagacgcata	ctacaataga	aagaggttta	caaaagcggc	tcaaggatta	gaaaaggatc	480

tggatttggg aacaataaat cgatcaattc atagaaagta tataatgcgt ataaaataaa 540  
 tcaagcatag gaaaaaaaca aggaatggaa ttcacaagt taaaaccaca ttggcaaagg 600  
 gacaagggca gtgggtggat caagatcaca cctgaacctg gtgatctcga gcacagtaca 660  
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 caaaggacta gcgcaagcag ctgtatatag cttccaccaa atacactgat ccgagggttag 780  
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 gccgcttcgg ccggaggagc ggaagtgtgg ccttcagcag aagcgagcgg gcggaggact 900  
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<210> 6639  
 <211> 563  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6639

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 angagcaann angaaccacg ccaccggaan acnacggccc acncccgac ggacccggng 180  
 cgnnccgacc anncagcng cnacaacaca gncggccga agggaccgga ggcgcccaan 240  
 ccggcgacaa cggggcacga acggagaaac gcgaccaaca agcgaaggag ccannnacnc 300  
 gngaaaccaa anncaagagg agagagnann anncannggc ngggcaaaan ncnaannaca 360  
 naacagagnc gggaagggga nancannacg aaaaaanaca gncaaancag aagaangcnc 420  
 cncgacacac gncgcccggc cccacacagc ancggccaca gccccacng gaaan 480  
 ggagggccgg gccggcccca aaaggaaaga agccccgng aaggacccca caaagccgcc 540  
 cgcacgccac ccgagccgaa aag 563

<210> 6640  
 <211> 546  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6640

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cgtagagccc ggaggggtatc tggcatcaca tacgctgcag gtgaccgctg gctagcgctt 180  
gctgccttgt gcaagacgaa caacatgaca acgaacgaac gcatccatgg accacatgaa 240  
caggctgaga cataccagaa catgtgacga cctggcgaca cgaccataca gaaaaatgaa 300  
gagacactca tcgctatcgt ccggatacac acagccaacc tcaataactg aaatgagcac 360  
aaatcggtga tccgaagcga atgatacaca gaccgctcag cagtgtgcga ccttgcatag 420  
aaccgcatgg ccgatgacca tacagcagac cgatcgccga cgctgaata cgagactgca 480  
accagccccg cgtactaaga gacgatagcn tgacattcac caaggacagg ctgtctcggt 540  
atagtg 546

<210> 6641  
<211> 836  
<212> DNA  
<213> *Aspergillus nidulans*  
<400> 6641

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cagagtaagc agatagcagt gaggtaagga ggaaaggtag tgtagaagag aagagagctg 180  
agggtcgaga acagagaata tataccagta tagtcctga agtgggtgac taggagtaaa 240  
caaacgttgg cagggaaaca gaaatatatc acgtgatagg tggcgggtgc ggctcttccc 300  
gattgtcttg gcgctctttg ctccgagcca accttcaacc agccccctgc tcttgacctc 360  
ctaatacttc tgcaggctga aacttgggag attgaccgga tggagtccta ttcctacttc 420  
gctatttagc ccaagttttt acttttgcgt tcttagaaca cctgtattgc ccataccttc 480  
ttcgggtactt tctcgtggct ctgtgatgcc aagggaacca ttttcgcctt tttcaattcc 540  
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gtccctttt tgcgatctc ctcaactaat ttccacgggg tttctcccc ttaaataattt 720

tattcttgtg taatttattt tccatttatt taatttcgtt ttatatgccc cattcattca 780  
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<210> 6642  
<211> 482  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 6642

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gcatgcgccc aggccatgcc agcggagcct catgctctgt cttggccaga gagcgtttat 180  
gctacactcg gagccgggtc ctgctccatt gtggcaggta tgcagcttaa catatgttgg 240  
cctaggcagg gtatgcgttg tccgtacagt actgggctga ccacctcaca catatatata 300  
cctctgttag ctgacgggaa ggctctggca ttctatgtgg gcattgatag atccggtagc 360  
gtgactactt gaagagtccg acctaacaca tggacggagt actaggtgtg ggcatatcat 420  
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ag 482

<210> 6643  
<211> 567  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 6643

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ctgactttag atagtgtcgg gctcacagct caaatactgt agccctaaac actgaatgtg 180  
gtcaggttgg atgatttaaa taagccatct aggaacttct atttcgattg tagcttgtcg 240  
ccatcgcaaa taaagcggcc ttagtgtcta tgttcggctc tagtatattg tagcatcctg 300  
caatcaagaa acaaacagct agaacaaaga taccaagaga ctttcaaact aataggagta 360  
tatcagtcca aaataacagc atcatagatt gcctttattt tcttttcttt tcttttttta 420  
ttttcaaaat ttogggggtg aggctcaggc gacatgcctt tcatagaccg taagactaca 480



aggagttcag gggttgccct gccaacgctc agtgccgctc gcaccaacaa ttcccttcac 540  
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<210> 6644  
<211> 669  
<212> DNA  
<213> Aspergillus nidulans  
<400> 6644

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tcgcgcctct aaaagacgtg cagaaagaac acgagagcaa ttgggaggaa gcagcagtga 180  
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agcgcgcaga gaatctcaaa ggctgccagg tggtgaatat cgagcgccg acgacaacgc 300  
agagcacgcc gtctgctgag cttgcgaaga aatactatcc gaacgcggag atcaggccgg 360  
gcttagaggg gaataaggcg ttctggacaa cggacaaggc aaagaggatt atcgggtggg 420  
tgcagagga gaaggagtag gttgagtctg gtggatatca tatgtgtgaa cagaaagtta 480  
ccgggcaggg cgtattgctt gcgtgagtgg actgctcagt aactatagat cataaactgc 540  
attcacatat gttataccat tcatatcaag ctgccttacc tcttaaatgg agtgctattg 600  
cctttgtgaa aagacaccgt taccagacca gtctagggtg gcggcaccaa tgggtatacgc 660  
gtagactga 669

<210> 6645  
<211> 1108  
<212> DNA  
<213> Aspergillus nidulans  
<400> 6645

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gcatcactgt ctccagggag tatcgcaccg cttgcagttc gctcaagatt ccagatacta 360  
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 tgggagacgg ttctccgag acggcggaga tcccagcacg cactgctaata ctctctgga 720  
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 cggattttaa aaccggttgc gacttaaata aaaaagggcc tccttattag cccgggcggg 1020  
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 <211> 585  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6646

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 gccatgattg caccgccagt attattgatg gacctgccac ttccatatcg ataggaatgt 240  
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 ttcaggctgg gaactcaaaa agcccagttc aactgcccag tagctagact gaacactcga 360  
 gccgtcggc acaatgcac ggtaatctga ctacagacat acttaccgcg gtgtctactc 420  
 ataatcgcaa aagaccccaa cactgatgga atagacacac tgcacccctg atatcacaat 480  
 gccgagaatg atctagaccc cgtttgcact ccatgcctag ccagttccta aaatatacag 540

aacacctata cctcattaata gcagcatagc ttatatgccca atcca 585

<210> 6647  
<211> 680  
<212> DNA  
<213> Aspergillus nidulans

<400> 6647

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ccagtaactc cagttgcaca gacggtggct cctttgatga attagttggg tgctttcggc 180  
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tttgatcagg ttccgcagat tcagggatct atggccttgg cggcacagtt gtagtatctg 420  
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taataactaag ggtgtgcaag gctttacaca aagggagaat aggatcaact cccgaatcca 540  
ctcataacaa ctgaaggcaa gatagagagt acgcccctgt caatatgaac ctgcctcagt 600  
taggacataa gagcgctgaa tcagtggtag ccgagcggcc ttattttaat ttttgcctt 660  
ggaacattaa gggggcggcc 680

<210> 6648  
<211> 241  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6648

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cccagganga gagaacgccc ggccagaaca aaagaacgca nacgcggaac agacacccgn 180  
naagaacang acacnccagc caaaanggac ggcnaacca cagncaacan cnggcgacac 240  
a 241

<210> 6649  
 <211> 569  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6649

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ttcgacgtgg actgttcgtg cgtcgctac gacggaagcc aggtctacct tgcgcgcgt 180
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gcttgagaag ctgcccgaat ctccggatcg tgaagagtac ctggcgacg gacgcaagga 480
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aatgactgg caagacgaaa tcgccgaat 569
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<210> 6650  
 <211> 565  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6650

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acacgtgata accgaatgat caccgagaga cgctcggac agtccgaag agcccttggg 180
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aaccgtctgc agtctatcaa cggacgtcat tcgccgcact tataagtaca cgccagccag 540
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565

<210> 6651  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6651

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<210> 6652  
<211> 492  
<212> DNA  
<213> Aspergillus nidulans

<400> 6652

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agaacagaat cgccgcagag cctccgcccc ctgcgcccac acctccttcc ctagggctcg 180

agcgggaatt taccagggac tccgagctcg agagagaaga ccctatttgg gacgattatg 240  
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gggccagctt gggagcagct actatgggaa gcagtaaacc aaaggccagc aagaagaaat 360  
ccgaggagaa gcccagagaa cctgaccggt taggagaaat aaacgctgct gaacctggcc 420  
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<210> 6653  
<211> 756  
<212> DNA  
<213> Aspergillus nidulans

<400> 6653  
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catcggagta ggttccgata ccattagtag cttgcttata tggcgactcg tcactctactc 180  
ttcgcttcag agtattgaga gatgcgatgg ccagggtttg cgcgctcgtg ctaatatagc 240  
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catgtactgc tgccgaattt atcgctgtac agataggagc acctatcgta ctctgtctt 360  
gccctatcgt aggtgatgtg aaggcccgtg tctgtgttgc attttcgtat acttctctac 420  
ttcgttctat gtccatgggc ttcatctctt caattgcata tcatttcgct gcctgccccat 480  
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cttacattcc tctctgcat ctctctctt gtgtctctt ctagaattcc atctgtgcgc 660  
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<210> 6654  
<211> 471  
<212> DNA  
<213> Aspergillus nidulans

<400> 6654

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 ttttgctgac ccactacctc tagacggaat tccttaaaga atacgcactc tttgcagaca 180  
 cggaatggaa catacgatat ctgaaccatc agcactgtac acggtacact taactgtcca 240  
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 acagaaccaa gtatactctt gacatcggtt caccaaggct gacattcaat gcaaacatac 360  
 ataacttctg atcacgacct aaagatagaa actaccatat tactctacgc tgctctctgc 420  
 atcatccatg aagttcgaag acgaacgtgc gtgagacctc tacacacgct g 471

<210> 6655  
 <211> 438  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6655  
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<210> 6656  
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 <213> Aspergillus nidulans

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 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
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<210> 6659  
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 <213> Aspergillus nidulans

<400> 6659

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<400> 6660

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 <213> Aspergillus nidulans

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 gcatgtcacg gccacgctgt accgaatgct cctgagccaa tagtaacgca atcacattcg 180  
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 cgagcgcgac taccaaggag atagatgcta cgcaggccaa tgccgcggga cacggggatc 300  
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 <212> DNA  
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<400> 6663

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 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

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 aggataagaa gcgttctcag ctgaaggagt gttttcagcc tgaatcgagt gttcgtgaag 180  
 cttttttgtg agagtgccga tggagagacg gtgcttgtcg taggcggaga aggggacgga 240  
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 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 acatgtgata gaccaatcca tagccataag gtgagtctaa tcatatcggg ggatacagtt 240  
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 <213> Aspergillus nidulans

<400> 6667

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 <213> *Aspergillus nidulans*

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cttagcttta caagccaata ttatactatt acacgactgg ggtagcctg cacatgcaac 360  
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<210> 6670  
 <211> 655  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6670  
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 <213> Aspergillus nidulans

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caacagttca ggacgcggac tatgttgagg cactaacagg acaaaggcca atgtatccgg 360  
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 <213> Aspergillus nidulans

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 <212> DNA  
 <213> Aspergillus nidulans

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6674

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 gggggttctg tatataaatg acggcggagg agagagaatg acgagtcgtg gagtggagag 180  
 acaaagcagg caagagcaca aaaagccggt gaggtagaaa gacagtgaca aactgtaccg 240  
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<210> 6675  
 <211> 246  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6675

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 tataaccaag tcaccattcc acagtcgttt atttgcggtc tgataagagc cggcaataga 180  
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<210> 6676  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6676

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aggctcacia ctgcgtcatg actatagcca tcgcacaaat cctaagaaca tgctattgtt 420
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<210> 6677  
 <211> 110  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6677

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<210> 6678  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6678

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tagacaagac cagagtagaa catagccagc tctgggtgagt caaccattac taacaactga 240
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 aaaatgcccc gctgaatcta taaaagtgat ttcatcactc acagcgctgg tagcatatgc 480  
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 <213> Aspergillus nidulans

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 cagcgacttg aaatatgcac agtaaaaata gtgatttgcg agttaaacca gtgcaaagca 180  
 ggcgagaact gaaacgggcg gggagggcgc acgatatgag gttttgaaca cagttctgaa 240  
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 cccatctgca ttgtcatgca cgaggaagct caggtggctg gacacatcag acagtatcgc 420  
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<213> Aspergillus nidulans

<400> 6681

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ccaaaactat cacctatcaa ctctccatgg tcggatactg gcctaccatg tcagcaactg 180  
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tgatatggaa ggctcagcac tgaaaatgct cagcgtttga ccacttgact agatcaccgg 480  
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<210> 6682

<211> 836

<212> DNA

<213> Aspergillus nidulans

<400> 6682

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atcgctccca tgaaaacacg ctcatccaac gtatacttct cagaaatacc ctgtccaatg 180  
gggtacactg agtaccactc cacacgatcc cactctatgt agtatggctt gagaatcttc 240  
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 <213> Aspergillus nidulans

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 ccacctggat aggatgggca gtggggatcg gactagactc tctcttcac tgacgataat 240  
 gcattaacac acgccacgct cctgctcatt ttgatgaccg accgtgagaa atgataccaa 300  
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 tggatatggc gactgcggaa gaagaaacag ggtcagtggg atccagtgcc cttgaacctc 420  
 aaatggcatt ccaagaaaca agtactacct ttatctatct caggctgtgg tgctctatac 480  
 tctataccat gccccattgt ttttggcctt taggaatacc cctgaatata ccggtgatgg 540  
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 ggacatcacg aaggatt 617

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 <212> DNA  
 <213> Aspergillus nidulans

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 ggagaggggt ggatgagaag cattcaaagg gtatttgggg ccaagttgct gtgaaggcct 180  
 atggagtaac ccttcgagac actcgtctct aattcactac taatatactc tttccgagaa 240  
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agctgacatc aaataatcag tggaagcaaa tacataaccc agttaccaca caagtttagtc 360  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6687

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tcagagatgg gtgcgcgcaaa ttggctctcg ggaatgtcga tggctgctga tcaatggcgc 360  
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<210> 6688  
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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
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cgcaaagata cagaaggaat atcctagaag gaatatgaca gccagtctcg tcaccgtgac 240  
accncaatac cttgcggtcc atgtgcatta ctcaatctcg tggaatgaga tatagcgaac 300  
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 ctaatgaaaa ccgcctttcc acagcggatt aggacaggtc acaggtctcg agccgccatc 600  
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<400> 6690



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 aatccgacga acatacctgt ctactggtga gattccgcga tcacttccgg cgggagtttg 180  
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 <213> *Aspergillus nidulans*  
 <400> 6691

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<213> Aspergillus nidulans

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<213> Aspergillus nidulans

<400> 6694

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aaatgcgagc gagcttacac aacaaagcta gccatctcaa aatactctcc tcttcaatct 660  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6695

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<212> DNA  
<213> Aspergillus nidulans

<400> 6696

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<210> 6697  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6697

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567

<210> 6698

<211> 439

<212> DNA

<213> Aspergillus nidulans

<400> 6698

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gatcgtgctc gagaccagca attgacgtat taccagggcc tactcgcggc catgcattta 360

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<210> 6699

<211> 840

<212> DNA

<213> Aspergillus nidulans

<400> 6699

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tcagcaatat tccagcctac gaaagctctt tcagcgacta ggcttattct ggctctacca 480

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aactagaggc ggccttcac cgccttggtc tttagagagga tatttaagct gcctagactt 660  
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 acttcaccc tttcgaaaac cacatactgt cccttgtagg tagattgcgc ctagtttcgg 780  
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 <212> DNA  
 <213> Aspergillus nidulans

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 ttcaaaggct ggatgggtct gatacagcgt atggtaattt agcttccgcg ttcccaaacac 180  
 acgcagccca ttttgaaggc gcgtaacggc gcggccaaag ttcccgcgga taagctcaa 240  
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 tgatcgatc ctggatacga ggtaccgat cgaccgcgta tactgcacca gcgcaaact 360  
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 <212> DNA  
 <213> Aspergillus nidulans

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 acgcacgctt tcacgcgggg atccaccccg accgataacc tcattctatc tctttcgagc 240  
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<210> 6702  
 <211> 704  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6702

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<210> 6703  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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tttgtccatc cacttatatt taccactatg ttctttttaa cgtacattta tcactttaac 660  
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<210> 6704  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6704

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agataggagt agatctcagg tagatggggt tgcgaggaat gcgaggcata ggcaacgagc 180  
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<210> 6705  
 <211> 735  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6705

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<210> 6706  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6706

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tcctctgaca actttggcgt attctgggtc cacttttgat tatcttgtga cctgctggca  240
gtaaccccag gggatgctgg tgctagatct ccacctcggg cctgagtaac ctgagaaagc  300
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<210> 6707  
 <211> 1393  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 gtctcagcct tggaaaggta gtcaacaggg attggcgatt gggatatctgt cgacaagctc 540  
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<210> 6708  
 <211> 460  
 <212> DNA  
 <213> Aspergillus nidulans

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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 gatgattgtg cggaagcgac ccactagtga ggctcatcgc cgtgtccgtc aaaacatcaa 240

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<210> 6710  
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<212> DNA  
<213> *Aspergillus nidulans*  
<223> unsure at all n locations  
<400> 6710

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<210> 6711  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6711

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 <211> 608  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations

<400> 6712

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<210> 6713

<211> 550

<212> DNA

<213> *Aspergillus nidulans*

<400> 6713

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caacagctgc 550

<210> 6714

<211> 325  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 ttcccccaaa ttgcaacaaa gccccctaag cttgaaagtg gacccccaaa tggaagccca 180  
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 ataaccccc aacctccaag ttttt 325

<210> 6715  
 <211> 585  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6715

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<210> 6716  
 <211> 532  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations

<400> 6716

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taaaaagtat ataaagatta tgaccatctt ctataaataa gtagtgacca aactacgtgc 180  
cacaagatag ggaaacacgg acaagaccag tctaaagaat ccaaagagg ctggacgggt 240  
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accgccgtac acaaagcgga ccataaggaa agcgacagac caaaaaagcc cggatatacga 480  
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<210> 6717

<211> 487

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 6717

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tgatgtagga agctgccgac tacaagaca atcgggacgc acaagcgtga ggtatataac 240  
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<210> 6718

<211> 819

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations



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tcttctttct ttcttttctt ttctttcttc ttttttctt ctttcttctc tctcgggtcc 780  
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<210> 6719

<211> 759

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 6719

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tgctaggcag ggagctttac taactcctaa tccaggattg gcaccttctt cggtcataaa 180  
ggagcgggtct ggcaagctcg cctctcaacc gacgcgaaca tagccgcaac tgcagcagca 240  
gacttttctg cgtgagtcgc actatgtggc tatatccata ttgcaatcgc ctaacttctc 300  
ccgctcaact gcagtaaagt ctgggacact cacacggggc aatgccttca caccctccaa 360  
cattcccaca tagtccgagc ggtcgcattc ccccttcaac cttctctca agttctcgca 420  
accggcgggtt acgagaagaa actccgaatc ttcgacctga cacgcagcgy cagcaacagc 480

tcgtcccca cagcctcatc agcgccctccc gccgaagacg gaacttcctc tgcaacgagc 540  
tatgaaatcg gtccccggggc tcacgggtggc accattaagt ccatcgtctg gaatcgggac 600  
tacaacatcc taactacagc tgccgaccaa ccgaaaatcc gtggtgggat cttcgttccg 660  
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<210> 6720  
<211> 894  
<212> DNA  
<213> Aspergillus nidulans

<400> 6720

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gcgactgagt gttggcatct attatatagc cagagaaaat gaaccactcc attcaatgcc 180  
aatccaggct cttgaatatg ctgtaactat ttgtaagctc taaatatgaa cacaatcctt 240  
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gctctgtagg actttaaaag tttgatcatg gaataattta cgcaaggctg atatatagac 420  
gtacagtctc tgctctgcat aaataagcca taccacaca atccttttag ccaatttata 480  
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gaccccgttg ttttgtcacc ggtttgaccc gtttgacacc aatgtactcc tttgaacacc 720  
aaggatagat ttgtaccgtt accaacttat ttccacattt tgtctacca cctcagttta 780  
attgccacaa ttcccgaacc cttccatggg ttcttaatgt aaccctcta attcaatcca 840  
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<210> 6721  
<211> 928  
<212> DNA  
<213> Aspergillus nidulans

<400> 6721

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cgccaagtca ctccaaggca tcaggcaggc ggatcagggt accttaccgg aagaggagct 180  
aagacacgtc atcaatgggt atctcacgct ctgtgaggag cattacaagg agatgcatag 240  
agctatattt gcgaggatga cattttccgg tgtgggatct aaagacaacc cggtttatct 300  
tgccactttg aagacaataa tcaactatga catgggtcca aggttctcga cagagctctt 360  
ccttcaacaa ctgacgcgaa agaagtggaa tcagatctca ccgcgctgga aagcctgctt 420  
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cggtcacga gaagaactgg tccgggagct ccaaactccg gggcactcta actgggatcc 540  
ctacgaattt ccagagtcgc tgttactgga gattgagaat ggaatcctga tcagggatgt 600  
ccaggagcaa attgcccgc acgttaaggaa catacagccc gggcataacg ccgtgatgca 660  
gcttaacatg ggcgagggca agtcacagct cattgttctt atcgtagtca ctgcgcttgc 720  
aaatgggtca tgtctggtct atgtgctcgt cccaaagcca caatctcgcc agatgtttca 780  
aatgttagtt tccaagctcg gtggactgct gggacgccgc gtatactgct tgcccgtaac 840  
acgctcactc agcatagggt agaaagaagc atcagagatg gagagtatgt gtttggaatg 900  
catggagaat ggtggtgtct actagttc 928

<210> 6722

<211> 530

<212> DNA

<213> *Aspergillus nidulans*

<400> 6722

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atacctcttt gctttatggc ttgctgatgg tgggcgcgct caccatcgcc gtttgagtgc 180  
aggcagaaca agcagggtga gatccatcca gtgaatacgg accctgcttg ctcaattgcc 240  
tcctgcatcg ctaccagagc ctagagctga cagtccattc ctttactga agcagggaat 300  
accccgggac ctggagaaga gaaataacga aagaagacag ctaagaaaag atatgtatcg 360

taaccttttg gagcgaaaga ttataaacag gcagcatgag aaggaaagac gagcgaggaa 420  
 taacctccgc agacatcaag tcgtcgaacc tcgaagctca agagcagagg gacatgcagt 480  
 agatagacac gctcgcggtg gcagtagaac agaaatagtc acgtgaaatg 530

<210> 6723  
 <211> 760  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6723  
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 aacagcgtca tatcagtcga ggagacgtcg gtgtagtggg aaccgccacc gtacttgccg 180  
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 agcacggtaa tcgagaaatg gtgtacttgc ccacgcggcg aaacatgtcc ctagaggctc 360  
 ccattagtag ggtgtattcc tgtaacttgc agctatagaa ggcgaaacata caatcctcag 420  
 cccagccca ctgtctatac caccacgaa tgccgaaccg caggccgacg aagagcgtga 480  
 caatcgggat acagagacat tgcgtaacaa gggtgacggt gtttaagata tcgggtcggg 540  
 cacgactcat tgactctgta gacatgggtgc ccaatccagc attcttcctt tctgcctac 600  
 tacagctctg gcggatgtcc cgatagacgt tagagacgag ggaaaagtgt ggaggccctt 660  
 tagactgaag acccccggcg gagtgccggcg caatattaaa taggtagggc acttaacaat 720  
 gtcaaggaag accagatgac ctgcagatga gctttagttg 760

<210> 6724  
 <211> 432  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
 <400> 6724

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 cgattatatt gttgagttaa ggacgcaacc atgaggtcct ggctcagtag gcggaccata 120

gagcgggcat cacgagaaag gagagacgtg ggagcactat catgccggtc gacgacgcac 180  
gacaagcgtg gagggcggtcc ggtactttgc acgcaactgg cgagcggacc cttctcaagt 240  
gaggtcattg ttgagggctc gcactatata taccatgtgc cacaccgagc gaaccttann 300  
ttgtcggtag tcaacgcgca gtcgcaacgg acaaaattta agtctctagc tgagaccaga 360  
caaccaatga cgcggtagag aactgaatgc tgtctgaaga ggactgtatg ctccagagcg 420  
aatgacagtg ag 432

<210> 6725  
<211> 398  
<212> DNA  
<213> Aspergillus nidulans

<400> 6725  
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cgacaccaat gatcataagc ccagatgcc tactagcatt gtcttacaa cgggcgctaa 180  
acatctcacg cacacacatt gtcataatag acatacctca catgtacatg gaccccagcc 240  
attccgctgt ggtcggggca ctgctctgca cgctgtctgc gataactggc tgctctaaac 300  
ctaactcaaa ctgaaactca gaagttggac tcgacaagca tgcgcccata ctacgtggac 360  
tcactatgga gataactaaa acatacaaac agtgctcc 398

<210> 6726  
<211> 527  
<212> DNA  
<213> Aspergillus nidulans

<400> 6726  
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gcttactata taggcaggca gtctgagtgc acccgatttg atcccgacaa tcccgtctgt 120  
tgtgggaaag gggcggatct ccgtaccaa accagacaag ttaaagacag tagtatcctg 180  
tctcgtcaga tctccctccc tcggcaattt ttctcggtac atgcaatcgc attgttcgaa 240  
tccaattttc aagacgtaca cgggtccagga caaacgacat tcaatcatgg caacagtctt 300  
gtctgaccta gccactacca taggaaccgc cctatccagc ctcccgccc cagaccaa 360

tcaagatgcc gaacgtatgc aggttctggg tgcaataagc cggctccagg aagcgctgga 420  
gcctcccga atggctgtac agcgaatggg tctttcgggtg ggttgatatct taatgacatt 480  
ctaggcccct gtctagtgtc gtgttggtta acgcagaaga cgagaga 527

<210> 6727  
<211> 848  
<212> DNA  
<213> Aspergillus nidulans

<400> 6727

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aggagaggga aagacggggc gatcgagcca aaatagattt ttacgagact ctctgcccac 180  
ggctgcggtg gtaagagcct gggatcaacg ggtgctggat cggtgaggta gagattgtcg 240  
acatggtagc tcatagacgc gatagactcc tcagtcattt tatcctgtcc gccttccatc 300  
ttgcaagcct cggctctgag tttctgcacg catgctatct cagactcttt gccaatatac 360  
cccgtgctc tgctttcttc ggtgcgggtc gggctcttcg tcagggtatc gacctcgctg 420  
agtgatccga cggacgaggg ggacgaggag gacggagagc tgcattctcg tgtgtccccg 480  
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gtgtcgagct cctgctccat tcgtcgtgg gcacactttc ttcgccggtc aagaccgcg 720  
aagacgcatt cgctgccgct ctcgagacac ctgtcgagg gaaatcccc gccacactac 780  
ttcgtgagcc attgaatctt tcaggtcatt ttcttcaatg taaagagata ccaaagccag 840  
gttaccgcg 848

<210> 6728  
<211> 440  
<212> DNA  
<213> Aspergillus nidulans

<400> 6728

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ttgcgcctcc cagcaaactc ttccaattca ttttcctttc cagcccatc agcccccca 120  
 tcgaaaatct ccaccgaaaa ccaccctcta aaccctgtct tcagcaccgc gtttcccaca 180  
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 cctctcggcg ctgtcccgtc cacaactccc ttctccaacg gcctcgggtc gccctccccg 300  
 tcaagcggga tatacgcatc cgagatttgc aaaagataga tcttttccgg cggaattgta 360  
 gcagccaact cggccatact ggcttcaaat ctctgactca attccttctc gtttgtaaca 420  
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<210> 6729  
 <211> 996  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 cgggagcata ttctgcttta ctagcttccg gagtagcgtt ggtggattcg gcgggagcaa 180  
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 gccggtgctt ctgaaacatt ctgcagggcg gtctctgcca cagcaggttc ggcagcagat 960

tcggcgggcg cttctgtggc ttccttagac tcctcg

996

<210> 6730

<211> 983

<212> DNA

<213> Aspergillus nidulans

<400> 6730

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acggcttcac cttctggatg ctcgacaact ccattgcgtc catgcaaaac cgcattgtct 180  
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accggatgc gacaagtac tgtcagtact gccgtacga gaatggaacg cagtacatga 840  
gcactctgaa tgtgcgccc gacgacaagt ggcattcttt tgggatcttc ctagcctttg 900  
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cattcggagt gggctctgt ttg 983

<210> 6731

<211> 749

<212> DNA

<213> Aspergillus nidulans

<400> 6731

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 tctgtccctg cggctctgta gtcaataact ccggccacac tagcaccocg atctcccaac 240  
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 cagaggtgac gagcgcccaa tcaatacttc gcatatgctg gtctgcgaat cgtatgtagg 360  
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 ccgatacgtc gcccgcccaa tgacacagat atggccgtaa atactggagc tgctttttct 480  
 gcgcggcgct ttgcagtttc atgtggatgg acccgccata gccgtagccc ttgagcgagc 540  
 gccggatttc ctcggtgtgt gggaagatta ctgaatatcg cggccgggtc ttcgttgaag 600  
 aactggatgc ggcgagagcg ttgaagaaca cgtcttttaa ccatttgtcc gtctggccta 660  
 aggttgcatg ggaggatata tagttgacag cattagcatt tagactgtga ttgattacga 720  
 agccgagatg gacctgggta caatatgtg 749

<210> 6732

<211> 601

<212> DNA

<213> Aspergillus nidulans

<400> 6732

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 aagtttgctc tccctttcgt gcttcttact acctgcctat gccacaaga aatacaactt 180  
 taacaaaaat tggaggtcta tgtcggtgac cctgaggggg cggaataacc ttcctttgat 240  
 ggtggtgttg gaaagaagtt accacactgt acgcttaaaa cgaagatgat gcattccgcg 300  
 cgagcattgc gaatttgtcc acttggattg cgtggtatcg gaaacatttt gaactaccga 360  
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<210> 6733  
 <211> 626  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6733

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 agaacttttag gatctaata tgcacgtcca acagtacaag gttccgaaa ttttgcatg 180  
 gaggagctct ctactatgac tacctcacct ttttttttctc tgagaatgca gaggacgaat 240  
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 aaaaaaatca agaccgaccg agacgcgact cgaacgcgca atcttcagag gttaaaggta 600  
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<210> 6734  
 <211> 861  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6734

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 cgctggggat agtggactgc ttgatcgagt ccttatgcc aaggatcacta aagatgagca 180  
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 ggtggattgc tagtaaaccg cgtccgtcag cccatccgcc catggttgaa tctcagagt 300  
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 cgggaggcag caggaactcg ggaaagaaag aaaagttgtc ggtgattcaa taaccacttg 420  
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tcccttcggt tcttaatcct tttttcctga gtgtgttctg cctcgcctca atacttcaag 540  
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 gttagggcgt ttcgcgttaa ttcgagaagc ggccaaggag aggtggccgt gatgtgaatg 660  
 ggcagggtgg tatcatatgc tggcttgacac caactgctga aaaacgggac ccggggctca 720  
 gtagctggcg actaaatggc acctgctaag ttccctattc cttgcaagga cggccttggg 780  
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 tcaactcttt tgcattctccc t 861

<210> 6735  
 <211> 487  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6735  
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 tgaatgagta ctgctgggtg cacacaaggc cggaacaggt cactatatga ccaagtgacg 180  
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 ggaaattgac aaattgccta tagatcggtg aaggaattca cagatatatg tacaccaat 360  
 cgtacagagc gtgtaaatat ccatggctta tcattgatgg tccactgagc cgtggcacga 420  
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<210> 6736  
 <211> 550  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6736  
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 cgctgcctac atagtaggta caaccaaaaa agcgctacgt atgtacactg acaaacgacg 180

acagaccaat gcgctgtaga tggttgatac tcttgtaccc ataaccggcc gtggcgactg 240  
tcggcacact aacagcatag ttttaagatc ggtggtagaa aggttgctac atggacgcgc 300  
gcatgctaata gacattcaat gcgctattgc acaacactat cacgcgcaag taccaaggta 360  
tgatgggcct gccggcggtta cgataatgat actagtcctc tcgggatgat ggcgattcaa 420  
gccaccgag ctgctttatc acgatcgac gaagccagag ggattggcgc ttattgtgaa 480  
gactgacggg cggatctcaa atgcttgctg aaggcactat acgaaagacc gctgcagatc 540  
tttgttacag 550

<210> 6737  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6737  
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tcgcgagaac gctaagctta ccctggttct ttctggtatt cgcgctcctc gatctgcacg 180  
caaccctggt gaggcttctg agccattcgg taacgaagca catgagctgg ccaacagacg 240  
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cggtagcgtt tacgtgaaca aggaaaattt caccaaggct cttcttgagg agggctctggc 360  
aactgtccac gcttactcgg cggacgaatc tggtcacgcg acggaatact ttgctgccga 420  
acagagggca aaggaagcac gtaaaggact ctggcacgac tgggacccta gcaaggaatt 480  
agaggaagaa gaggaggcga cagcggcacg ccgtggag 518

<210> 6738  
<211> 520  
<212> DNA  
<213> Aspergillus nidulans

<400> 6738  
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gtcagatcat taacagtgtg gatggctcta tccgtctaata atacagaaa tacatgggtg 180

agcgaatggc cggaatggat ggcacgcagg gatctacggc caggaaacac cctcttacta 240  
atgagtccaa aatgtaatgg tcaggtaggg gacaaaagac atggaccaat gcataatctg 300  
aacataaaat gctcctacaa cacaataagc ttaatcagta taggcatgct agtacgctgt 360  
tgacgtccta aggctgtctg gtgcaccatt acagataaca tggattaaac tgataaatat 420  
agttagcaag gcgtgatcat aaatgctctg tcagatagca tagttgatgc tcaaacattg 480  
cccaccggcg ggtgatgcga cagaacttct tgacgttccg 520

<210> 6739  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6739  
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ccgtaacctc taccctcaaa cccgaagttg caatttgtat taaattacct caactcatcc 180  
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tccctacacc ctgacagatc ttgtttcgca tatgcaggca tatactctgt tgatgatcgg 720  
ctaggctaag gagcacaggg attcttcggt ttctgtgctt ccaggcttac ctgcacatgc 780  
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cttcggcata cagtgtgact ggaatgtcta attagggtg 879

<210> 6740  
<211> 443  
<212> DNA

<213> Aspergillus nidulans

<400> 6740

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attgtagata agtgcctaac tgcaggatat ttcggacaga gatgttcttg actattaaat 180  
cattccgagc aaaagatgtc tgaacttgag gcatagacaa tcacctactg ctgcccacgc 240  
tgcggtacgg atgatgtcta cccatcactg tgatcaggct cgatacgctt gggacacacg 300  
tgactccagc cccacagga attcactgtc cgcgtagtcc ctgtgatgtt ccgcgagcc 360  
ttggaccgga ctccatttgc ttacaaagct cctcgatttc taacctgtgc ccagcatccc 420  
tgacacccca tatggactca acg 443

<210> 6741

<211> 637

<212> DNA

<213> Aspergillus nidulans

<400> 6741

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ctttacgaat tccttttcgt tgacagtacc tcaagactct ttgagtactg gttttcacia 180  
tacaagaaa gactgtttct tgtcgagccc tctaccctct tcatgggcga aaaaagtga 240  
gactgatctc tagagtgcga acttctgcct cagcctctga ccgcagtatc attgtatccc 300  
cacctgtgat cgaatacgaa gttaacctgg ataccccgctg tatctctcaa aaaaaacca 360  
aatgacaatg gctgcggtac aattccggat tcgtcattgt gaccccagcc cgtggccgag 420  
cagtcttgcc agcaccgcgg gatcagcgcc aggaagtatg agtgagcgag aattcttcag 480  
caaccctcac atatctaccg tccggcccct tcagcctctg ctgactgatt atgcaaacca 540  
tccgttgtct gcatgacgat atacatgtct tcgtttcttg ttgctaatac ttgggtgctag 600  
tggccatggt gtggaacaat tcgcagcctc gccgggg 637

<210> 6742

<211> 795

<212> DNA

<213> Aspergillus nidulans

<400> 6742

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acagctatca tcaatatgca gctgaagaac tctctgggcc tgctgactgc cttgacggcc 180  
ggttcctccg tggcccgctt ccatggccac gagcgccgcc acgctcacca cgagaagcgt 240  
gacgttggtg acctcgtcac gctatcattg acggaaggtt cgtttcctgg gtcaacgagt 300  
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ccgcctctgg aacctgcgcc aactgggacg acgagtcgga tgagtactcc accgccggct 480  
tcggttccag gactgtctcc aacaatgcca agtatgttgc ctacgttggg aacgtcggaa 540  
acccttgggg cagcaacatc attgaggtcg atgccgataa agcatgcaaa tataagaatg 600  
tcgtcaagtt ttccggctct gagactgacg actggaccat cgtcttctgg aacaagattg 660  
gccctgatgg attgctgacc ggctggtacg gcaactctgc tctcaaactc acgatttctc 720  
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agggtgactc tctcc 795

<210> 6743

<211> 910

<212> DNA

<213> Aspergillus nidulans

<400> 6743

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tctaagtgtt atgtagatat gccgtaaagt ctatgagtcc ctttggcagt gctcattgac 180  
atccttttgg caaatttaaa tattactcga gcatagcaag tataaccataa caagtataaa 240  
tactccgcct cctgtacacc atcttccatc gcctccttcc gggaacaaga aggaattggc 300  
ttcttggctc gtgataccgg cgggcagggg acccagtcct ggatgctccg tacgctcttc 360  
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ctcatccttc tacattccga gtacgctcat gcgaagtctc acagtctgcg gctaggagaa 480  
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gagttgatgg agtcagccac aaaactaggt ggttaagaga tcctagagac taagaagccc 600  
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caattttgcc tatctggctt atgtcgggtg atgtcagggg attgcattag tacttcacgt 720  
tgctgtccgg ccagtttgct aagtgttgcc caagaatata cttttccagg ccaatgttta 780  
aatagcaact ttaacagggt cgaggcacga gtgtgggagt ttttacaacc atgtttccta 840  
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tttattcttt 910

<210> 6744  
<211> 443  
<212> DNA  
<213> Aspergillus nidulans

<400> 6744  
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ttttgctttt atacttgagg acccgtaaata ggttgaaggc agtgccagat gcacgggtgga 180  
gcatgccaaag gcgtgactca tggtcactca ttgcagttgt ggccagtcac cgttggttga 240  
gtggggtgct atctcatagc tcacaagttt gattggcgga tcttgatttt aaggacagga 300  
tgagtgacg ctgccctaaa tcacccctga gaaccctaga tgaactaata aaaagacgag 360  
ctatccatgc actcatttca tatcaccatg catagacctc gaaccaaggg actctgagat 420  
cttgaatact tactctgagt tga 443

<210> 6745  
<211> 952  
<212> DNA  
<213> Aspergillus nidulans

<400> 6745  
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gtcggaggca ccaaatcggc gaaccagtga ttactttctca gattcagggg gcagctctat 120



tcggtatgca tatgagtcgg ctgggctgat tgaagatata gagaagtata agcgtgctgc 180  
 tgagcaggag cgcgccaac ttcgcgctga gctcggtcag agacttcagg aggaacgtac 240  
 ccgtcggacg gcatcggaat ccqatgtcca gattctggaa gcacaggttg ctcaggtagg 300  
 ttgccagact ctgttgaagg ggaaaattgt aactgaccgt gctgcagctc cggcgtgaaa 360  
 ggacagaaca ttctgactta gcctccaaaa ctgcgcagct tgaaagcgcc ctggaaggca 420  
 cccggcgcaa gctcgtgaa gaacgccaga tcaaggacaa cttcgaggat ctcctaaccg 480  
 ccatgcgcgt tgaactggaa cagcttcgca cagagcggga tttgcttcgc gaaggccagc 540  
 cccttagcga ccccgccgaa gtacaacgcc tgaaggaaga aatcgaagcc ttgaagattg 600  
 agaatgcagc cctctctcaa cttcaaggca gcagatttgc ttccattgca gaagaagagg 660  
 ggctgtgaa acgaaacagt gccttcggat tgtcccgctc aaactcattg gcccgcatgc 720  
 ctcggaagag ctcatctcgc tccggctcac tatcacgttc gaattcgggt tccgctaagg 780  
 atcgtgcaac gcctccacag gaatcgctgg cggaccgggt cgaaggggag gaacgcacat 840  
 cgtgatgcgc ttcacggtgc cctcaagcgg ctattagacc gtcaggctac gaagcccggc 900  
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<210> 6746  
 <211> 618  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 6746

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 cttgcgagct ttatgtgccc gaccacctac acattttttt gatgtgctgc ccatgtcgag 180  
 ttccggaaag gtctatcgaa aagcgttggc ttgccatctg caagagaagc ctgatgttcc 240  
 aatcaagaat ggcctcagtg aagaaagtgc agtatgttgg aggcattcag atgaggccgc 300  
 atcgtcagta cagcagctgg tgattcgact cgttgcggat acaggggacg tgagtgattc 360  
 cgcattaaag cccgggccag agctgtactc tgggtggcatc gccagtctag gagcaatgag 420  
 tttctacaaa gctgataacc attgggggtcc ttggcttgcc ggcggggaaa gcttttaaca 480  
 catttatgtg cgagggggtt tttttttgcc aaagctttgg tgataataaa agggggcgcc 540

tgtggggtct ttaagagggg ggtttacaaa cctttgcttt aaactgttct ctgcgccggg 600  
atttcatggt tgccaaaa 618

<210> 6747  
<211> 496  
<212> DNA  
<213> Aspergillus nidulans

<400> 6747

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agctcactac cattttaatt gcagggtgtcc tgggacaata aagttccagg cagccgagtt 180  
acgccgtcaa tcccttctac tctgtgcagc agcgggacca ggctaagcat tcttgacctt 240  
tgttatgagg ataaatgaat gctagtctat taatggtgat gcgatagagt tccacagaca 300  
cgcaatagca ggattcgccg gagtctctgg ccattaggct cagcactaga cttggaacta 360  
gggcatagta aactgacact agactcggct atactgtcct gttatgctgg acttgtctca 420  
ccatcccttg tggctggcct ctgttcccgt gtcctctgcc atggttcgag caggaagcag 480  
taccgctcat gccgct 496

<210> 6748  
<211> 1059  
<212> DNA  
<213> Aspergillus nidulans

<400> 6748

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ttcatccagg tagtacgagc ggcgtgcca gtgctccgcy gttttattcg ccgccataaa 240  
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ccatttagcg atgttaaaac aaagtctcgg taatgcggcc tttttaaaaa ttcgggtcggg 360  
caaaaggaag gatagaccga ttgttctatc ccaactgcat agggacgaat ccttgactag 420  
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atccgagttg gggggtatcc gtgttagaga gccaaccta catagactcg aaaatggagg 540  
 tgccagtggg ccaccctgga tatacctgcg actgttgaga cggagatggt atttggccac 600  
 tgctttagc taatactaga gcattttctca cgcggtgct cctcgtcgtc cgcgccgata 660  
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 ggctcgtga tactgtcgac gtagtgatat ggaccttgcg gtccggtctt tgattccgcy 780  
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 acaacaaggt ggaaaagccc cggatcgtgc gggctctgca agatcgttcc accccaggag 900  
 gagttgccgt atgggcccag gtggttcggg tcgactgcat cggcggaatg gttgtagccg 960  
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<210> 6749  
 <211> 753  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6749  
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 agagcctaga atctgcgacc tcaagaacag tgaacaacag tatatacatg tacgtccatg 180  
 ggtatgtgca agtgtatcaa gaagccaaat acatactctt gatagagtaa aatgaagatg 240  
 aggaggataa acaaccgagc acttgtagcg ctgaaaggcg agggaaaaag tcaacaataa 300  
 acgtcaacgt accattcgta aaaaggaatc tcgactccag tataggcaat gaagagtacg 360  
 aaggggagaa gaagaaaaat taagcacaaa acacatatcc gcctgagcta agagagctaa 420  
 aacaaagcaa aaaaacagat aatagtaact ggggtgtaact agagcccaga acctttggtc 480  
 caaaatggac tgcggaagag aagcatttca tctgtctcac gggatgatag gccagatttg 540  
 gtatggaata tgggaaaggc caacagagaa ccaccgcaa ccgaactagt tataaccgca 600  
 aagcccaagg ggtaacggaa aacaacgcca accgtgcgcc aatgcgatgt tgaaatacta 660  
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 attagtgcag aaatattaaa gcagaagata gtg 753

<210> 6750  
 <211> 746  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6750

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tattgggctt ctgttagcgg aggtattatc tttgctgttc actcggtttg gcgcatggcg 600
gaaggggtgt tcaaggtttg aatcagtcga acataaaaaa cattcattag gtcacctat 660
attcccttcg tgtataatag cgtcattcta acgtcttaac gcagtctgta gctttacagc 720
cattagcata ttttcttgtc gctgaa 746
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<210> 6751  
 <211> 1158  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6751

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tctccttcat atacatctca atgaacgaca acgtctgctc atccatcatt aaatttccat 180
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gttcatcaag cacactagga gggaagggcg cgtaatgaag agatggcacc caggtgggcg 420  
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 gcggccaggg tatctcgatg tcctcgccag caatgtagcg ggtgtgccga ggagtgtcga 540  
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 gggtgacgcc tgtggctggg tcgtcgaggg cgacgacgag gcggacgtcg tcaatagaga 660  
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 gaaagtagac gtcgggctgg gtaatatata tacaacatca tactcttcca ttcacttcac 780  
 ctctcgagta ggggttggcg tcagatacat accacattac aatccttgac cgtcagagtc 840  
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 atacataccc ggtcaccgcg ggcaaagttg atatactttc tccgcagatg tttcgggaata 960  
 gccggtggct gcattgcttg cggactcaga gcaccaaaca tttttccgct taaccctgca 1020  
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 cgggcatcat gacgctct 1158

<210> 6752  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6752

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 gtcccacaag gtgcgccttc acttcattcc ggtatgatcg tcagcacggc tgagctaaag 180  
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 gccctccgtg tccttttggg aacggcagaa gctgtaattg gtattccacc cctctcccct 360  
 gtcaaacatc ataccagcct ctgacttgcc cgcagcacc gcattgacca tctatacaag 420  
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 aacggggcag atcctcggcg gtctcatttc attcgggtga caacatgcct cgtcctcgca 540

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<210> 6753  
<211> 347  
<212> DNA  
<213> Aspergillus nidulans

<400> 6753

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tgtcgagtct taagagatcg ctgatggttt attgggagcc agacgagcta aaagatgttt 180  
cttgatttgc tcaattcttt ctctttgtgt ctcaaagacc ctggtaatc gagtatagcg 240  
ggcgaatgtt gtggtgcgga gtgagggaag gacagctaag gaggggagac gagcaatcag 300  
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<210> 6754  
<211> 460  
<212> DNA  
<213> Aspergillus nidulans

<400> 6754

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cttctaaaag gatgtgtgta aaaaactggg aagactgata tactgagaac ccgtgcttgg 180  
gaatagagca gcgaaccaat acaaagcaga aggacattgg tcgtccgctg ccagaagaaa 240  
cacgcgtgat tattgagaca ttagtgctga gactgagcat tgctgagtac aggacaatat 300  
ggaaatctgg attcagggat ctgagacagg caactctatg cctagaggat aacagagggg 360  
agctacagac caggaatgta caccagtcaa gctaggctct tgaagcacag gcaactaaag 420  
tcacgtggcg gggattacct ataccgact acaaagatga 460

<210> 6755  
<211> 540  
<212> DNA  
<213> Aspergillus nidulans

<400> 6755

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 ccacaacaat cctctcttca aaacccatct ctcaagccgt cgcccacgac ttcctagccg 180  
 cctacctgga ccgcgcaacc actgaccag cgcttcaacc gaacgccggg attagcgagc 240  
 acggccccgt ctcacgcaca actgccgccg cgcccaatat tatacttcac aatctgaagc 300  
 gtgtgcaggc ggggctagcc ggggaagtgc tggggaggga tttggcgatt gcagagatga 360  
 aggagggtgc gcagctcgcg caggcacaga gtgggaacga taatgcggac ggaaagtggg 420  
 aagataaggc acagtttgag caggagcagg atggaaatca ggtatatgat gccaatgtcc 480  
 gagatgagcc tgaggggatg gatgtggata aagttgacga cactgagggg aaggtggctg 540

<210> 6756  
 <211> 499  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6756  
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 tccgcgttac cgtaaaacac gtatgcgcca atccgccagg gcacatatgt tcatttttaa 180  
 tcgtcacagg actgggcata accgtggcag acaccttccg caatcaacgg cacgtgaata 240  
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 tgagatctgt ataggggtgca gtggcagaaa cacccaaagc tgaaacgatac gacagggtcg 420  
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 agagtatgta accccgtat 499

<210> 6757  
 <211> 582  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6757  
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 cctgtccctg tggctatttc aatcaccccg aaaaagaatg catatgcggc acagatactg 180  
 tacaacgtta ttttaagtaa atatcgggac ctctttttaga ccgtatcgat ctgcatattg 240  
 aggtgacgcc tgtactattht gaccaactga gtacgacacg tatagccgaa gacagccgta 300  
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 cagacatcca ttgtaatgcc cagatgagta cacaattgac ccgagaaata tgtcagattg 420  
 atgagcccg g aagaaagtta ctcaaacgg ctattgaaca tctgagccta tctgcaagag 480  
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<210> 6758  
 <211> 878  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 6758

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 tacttccacc ggacttttcc cagcacctct ccaaccctcg atccgacctt gtgatgctga 180  
 aggttattga atctaggtct tggagaggtg gcccggtggt ctgtccccga aggcggacgg 240  
 ggaatgatat gatctgctat ggcattgcagg tgtgccaatg aaatgcatcc gatcgataga 300  
 gtcaaagcgt gcatgcatga actttggctg gaatcgaatc gtcattcgga tgtacggcca 360  
 gccagagaga gaccaggaca agccctcatt gctggattgc cgtagcgcgc agtgcaccgc 420  
 attgcacttg cataattgtc ctctcgactc tatatgaaga tactccggct tatctgcagg 480  
 ataccgatgc ggtcagtgcg agtaagggtc caggataggg atgattattc atggagtacg 540  
 gaattaacgt agggatggta aatccactgg acatttgagg attgaaggct aagatcgggt 600  
 agcaaccatt gataattgaa cacagggcga gctgacaaga ccaaggttta gtggggcgat 660  
 acttccaggg ctgtagtatg ccgaagaatg ccctatgcat aactcgaaaa tgtggagtac 720  
 tttgtaaatt gtaccttggg agtctgctac cgaatacata cagtactacc ttctgcaaga 780  
 anccttgtct gccctgatct tgtacgcacg ggaaccctt tcgctgtctgt ctcggtgagg 840



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878

<210> 6759

<211> 590

<212> DNA

<213> Aspergillus nidulans

<400> 6759

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tcgcggccct atggggaagg ggtgtttacg tccacagcca tagcgtcctc tgtcacgctg 120

ccttagtgag cgaatcatgt agtgtctaca tctggtacac ggacgttgcc tccactatcc 180

ctatgatgct tgtgagactt cctttgctag gggcgggtgca agctgaggac ttacttgctg 240

atcgcggtg gtccgaccag gcgcgttaca tcacaattga tggggcgctt taaacgagcg 300

tgctgagtgt tgcattcaat gagcaggatt ttcgatatct tggacaagta tgcaggctat 360

tcatatgcat ctgacgctac gcgaccttca agtgcacgt agaggctact gatgacggct 420

ctaccgagtg tatacttagt ggcggagggt agtggtttac tgtcgtaaca ggcaagtgg 480

ctgagcgaca cgtcactact tgatgtgtag cgacaatctg gcttgctgag atgacatgtg 540

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<210> 6760

<211> 1071

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 6760

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tccttagtaa caccaaggggt ttaactcgct ttgcagtgan cgacaagagc gccgatcaac 180

tattaagcgc tgctcgcaag tccgcccagg cactgttcg tttcttccgt gggctccaat 240

ctttccgtct cgagggttta gaagcctgca aaaggcggat gtcgtcatca acaacaactc 300

cgagggtgcag agggaacttac aagccctgtc caaactcggt gatgcctttg caccaaagag 360

tagtcgactc cagactaacg gagacctggg cgacttggtg gaccaagagc tttcgaaaagc 420

cgcgagacgcc attgatgccg ccgtccaaag acttgcaag cttaaagagca aacctcgcg 480  
 tggcttctcc acctacgaat tgaagattaa cgacgtgatc ttggaggctg cgatcgccgt 540  
 tacgggtgca atcgcgagac tcatcaaggc cgccaccgag tcccaacagg agattgtccg 600  
 cgaaggacgt ggtagtgctt ccaaaacagc tttttacaag aagaacaacc ggtggacgga 660  
 aggtcttctc tctgctgcca aggtgtgctc ctctcaacc aacacattaa ttgagactgc 720  
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 acgacaagtg caggatatca tcgccgagaa gaaccgcgac gacaatgagg cggtggacta 960  
 ctctaagctc agttcgacg agttcaaagt acaggaaatg gaacaacagg tattcttccc 1020  
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<210> 6761  
 <211> 712  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6761

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 gagggacatt ttctttttgc gctgccagtg ccagtcacag tcttaagtag atcgattggg 180  
 taggcgacga cgagttgttt gacccccgag tcgtgatacc tggctgacac cggctggaga 240  
 gatgatttat ttgccaaactg gcaggggaaa tatgacggcc cttccggagc gcacggcagc 300  
 aaatatatgt acggggccaac cagcagccaa gatgtgacgg gggaggggac cgggtgggca 360  
 gatgaagaga gtctggcggg ccaagcaatc caagagcagc cggactgacg gcgcggagac 420  
 gtgaattgga gcgtcaggtc gagactggtg aggccactga gaatggaatc tacgaaaaca 480  
 gtcaatcaag cagagtttaa gcagcaggcc ggccgagaca gaccatgcgc gagagccgaa 540  
 ggatggactt ggggatcctg ttgggcggaa ggacgagata gatcgatat atatttagat 600  
 cacaaattaa ggcgcaccag ccactggcag gagtagccag gattagcgag ccgagagtca 660  
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<210> 6762  
 <211> 1049  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6762

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gttcgctttc ctttctgcag gccagtgctc cagccctagc tattattggg gcgtgcgtct 180
ggaatcaggg tacacccaaa gccctgggag antagtagtc gacatagttc gcgacggaag 240
ggatcgacga cactaaagga tcgagaccat catggttgta ggctggaata agtagggaca 300
ccaagccagc tttggaggaa ggaccaatat tcagaatagc tgaaactcga ctcgttcacg 360
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aatacacatc ctctgtttac ggcagcagaa ggaaaaggaa gaaaggaaac cagtctgtat 480
gatgatgata tatatgtttc gccaatctt gaaggaggc cgtcctggct aggaacacgc 540
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tccgaggaag acgcctctga accggcgaca ggggcgtctt cgatatggct tgacgaactg 720
gttgatgact cctcttcgtg ctatagccgc agatcgtcta tcaccagtct agggctctgaa 780
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ctctcaatcc gacgcaagag aaaacaaccg ccattgattc gtgaggatag cctggccgag 1020
attgtcgagg gactgcgcat agccggcgt 1049
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<210> 6763  
 <211> 551  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6763

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 ggttggtcga ggctgcggga ctgcggtctc tgttctgggc gcatcatgag aaactgggtca 240  
 ttgtggacca gcagctggca ttcatcggcg gcattgacct ctcttttga cgatgggacc 300  
 tgatccagca tccgatcgcc gactctcatc cctgcaatgc gcgtcagatc gtcttccctg 360  
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 ccgggctcga ccgctcgacc acgccacgca tgggatggga ggatatctcc gtgagcatga 480  
 ccgggccggc agtggttgat atctgtcaac actttgttga ccgctggaac tacatctggg 540  
 atgtaaagta c 551

<210> 6764  
 <211> 575  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6764  
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 cgagtgggcg gagtcaactgc tcgtccagaa ccagcctggt agggctctgc agagtttgaa 240  
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 gacggggggt tgaatcta atcggaagg cagttcctaa cggagtcagc atagttacat 360  
 atcaagaaaa aggttaaggc gtacaatgga acggttgta taatagcttt tgcagtgaat 420  
 atctgtccgc tcctcgttgt aatctgggca ctgttccgta gattatcgat ctgagacacg 480  
 gcagtattga agagcctttc ccctctgtat tcgtctaaga ttgctgccgc aacgatgtca 540  
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<210> 6765  
 <211> 570  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations

<400> 6765

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ggaaaggagg caaacctaca ctggttgagc cctcataagc tctgcgtctg taaacatcat 180  
cgcttagcgc tttgatacca gtttcacggg gaccttgaac agggaaactct ttgttgtcgt 240  
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tatgcctcgt caatgcagta cctgtatgtg tcccgtgga gatggagcag cacaaccgga 360  
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catggcttga ctacaaagca gttgcctgag gcgacacgcg gttcattctc caaccgctct 480  
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<210> 6766

<211> 485

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 6766

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ttctcgccgc gagggactga tctgttccaa tggaaagtga gggggggact gtagggtaat 180  
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atcaacttcg gaccgaagac aactggatc aaccgtcaca ccgttgacga tctgggggtgg 300  
gtggttgaat atccacggcg gccggcctgt gccattcgac aacatgcctc tgacagcggg 360  
ctggagccgc ccgattttca ctggcttgca gccctgacac tgcatacgct gctataaact 420  
gtggtacggg tttcttgcta cgaaaagtac cctgtgtgac gacacgtagc cccaggaacc 480  
atgaa 485

<210> 6767

<211> 663

<212> DNA

<213> *Aspergillus nidulans*

<400> 6767

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ggaacggagt gctgaccgga aggaagctat gctgtatata tggttttcga tctcggaaag 180  
gaattcggct ttggtcaata tctttgctag taatttcgac taaatggctt tccaatcgaa 240  
gcagagaggc gaccggtcca gctaccacaa attgatcgta cgcgttgatc agtgccaggt 300  
aaagccgttt atcctccggt agacttgctg taacatggtc gatcgtagcc tcagtctctt 360  
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gaaatagaag ctcaatgact tcctccgtgg cttgatagaa gctatcccaa gagtgtgaaa 540  
cagcaacaac aatggccgct aacagacctt gcgaatggcc agtagcagtc cgcaacatag 600  
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tga 663

<210> 6768

<211> 618

<212> DNA

<213> *Aspergillus nidulans*

<400> 6768

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gagacatcaa actcctacca actgtcacgc cccacgctc tgccccctga tgaagtatta 180  
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cgtccgacct aagtcgttcg gttataacaa catacattag cccacactta gcaaactttc 480  
gatattttcg gcagatttct tccagacgag tctgcaataa aactctgtag cacaataggc 540  
cgtcttaciaa gggtgccgag agcatcgaga gatcctgac tagaatgtgc gcagcacaac 600

agaaccggaa aatcacga

618

<210> 6769

<211> 564

<212> DNA

<213> Aspergillus nidulans

<400> 6769

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ataagacact atggctccgt ctctatgctt caaatgccag aaagaaaggg ccgtcattat 300  
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cgcaagtggc ggaaaagaca gcactgtgct ggcttcgggtg ctcaaaactc tgaacgagcg 480  
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cgatgacagc cttgagaccg tcaa 564

<210> 6770

<211> 819

<212> DNA

<213> Aspergillus nidulans

<400> 6770

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ccgtattgtc agagtggccc agggggagac tggtcttgag acggaggcaa gcaagttctg 180  
taacgggcat tctgatagcg ataactggtg ttgactacca ttaagtgatc ggatatcgac 240  
aggctgaata tatgcggtag gttggcggag atagcggagt ttgtacctgg caggcagcaa 300  
gcatgacggt gtcccagtga aacagcatec tgcattctct ccagcgaccg taccgaagcg 360  
cgaccggata gaaagttaga gaatggtgac agtacacgac cagggtatat ctgatgcggg 420  
gagcagtaga tacgccagag gtgcatgccg agggacaacg attggcgatc gtgagcattc 480

tgagagtgac agattgcggg gtcggataac aggggtccgag gctcattgcc cgtctcaa 540  
 attcaaaatg ccttgctgtt atcctaccgc tgtacgacaa agatcagaaa atatcttaca 600  
 atcattgtct gacctcccag gattttcaaa ctacttttat ctcaccggct aagtcgcctt 660  
 ggtgactgga ggtgagcttg tcttattcgg gttttacatc ttctctttct atcctaaccg 720  
 cccaggaatc ccgtgggtatc gggctggata ttagcacgcc ttttttgaga gccgtcccga 780  
 aaaccctttt ttttaacagc ggcgaatgtc cccgggggtt 819

<210> 6771  
 <211> 555  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6771

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 aaatagctat atccagcggc gttttgccat ctaactcggg gttaatgtct tgagtaagag 180  
 cgtcaactgt gaggacgtat tccagtattt ccggcatatc acaggcagca gccagatgca 240  
 gtgctgtcat gccatcctta tccacaatgt tggcggaacc gcgacggaga agtagttgca 300  
 ttgtcttctc cagctggaag taggtgtcta tccataccg cgccattcgc agatgcgtgt 360  
 tttgacactg gatggcgaaa tatagcagcc caagggatgt gtttccgtcg acatttatag 420  
 gataaaacgg cgctgcatcc agtagaattt ccaacatctc tgcacatgg tagctgcaag 480  
 caagctgaac agcgtccaat gcaaagctat gctgcttatg gaagatagcg ggccctgctg 540  
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<210> 6772  
 <211> 724  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6772

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 gccgatcagc accgtcggtc ggatgccag cgaccgccag taccgagcga gagcgatctc 180



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<210> 6773  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 tagcagaccg ctgtccgaca ggacaacata tgactttaac tgcagcaatg agacaattgg 180  
 acctaacca tctagtccac agggagagaa gaacaccaa gtactttatt gcatacacgg 240  
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<210> 6774  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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cctgggcgct ttgtcgcgct tctcttctcc tcaccaaaca tgctctagcc cctgattcaa 180  
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atcaacaagc cctcaatata agggcagtgt atacaccaat cacggatccg tgatgtactt 540  
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ctcagcgagg aaccgctatg gttgtttttt aagcatgaat tcgcggggta gggctgtgga 660  
gacgggatca gaccagggga tctgcacca ttcagacgt atgagccgct cggcacttgt 720  
tctctagctt cagcagccgg acaccgacat tttgtcgctc tggtgatcaa tcaaggtgag 780  
tcgggcacga tgtcggctta gaagggtagc taccagccg gcgttggaat acagcctgat 840  
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cttactgtgg tg 912

<210> 6775  
<211> 525  
<212> DNA  
<213> *Aspergillus nidulans*  
<400> 6775

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tgaagatgca gcctccagcg ccatgacaat gtaccagtt gcaggaaaca cgggttgtgc 180  
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tgggtaggtg ggaaagtctt tgatgaactt tgctgtccc aagccgaata gacggagata 420  
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<210> 6776  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6776

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tcccgagct tttgatcgca cattttccga aagaaaatcc aaccacttc ctcgttctga 780
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ccgatatatt ggaaaaggaa gatttggcgg cggcgtacgc ctgctgaag gcgtggaatg 900
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atgaaagtgg agcaggccag ccacatagac atctacaatt cattctcgta gaggcaatgg 1020
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<210> 6777  
 <211> 490  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6777

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 agcgccgtag atatgtcagc aagacagatt attactagct attctaaaca tacgtcacag 180  
 cctaatacata tgtgttgaca caatgctaca ataacgtaga cggcgccata gtataccatc 240  
 ccagcgcgag tcaataaagt caggttaggt gagctagatc ctcagcatag cttattaata 300  
 gctgtattgg tgcagtgata acgacaacgg atgtccaagt actgatcgcg agcgtgtggt 360  
 gacactaatc tacttctacc tagctcaagt catctccgct gatcgactga ctcgagaaaag 420  
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<210> 6778  
 <211> 867  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 cttgccgggc tttagtatcc tcgctctgct cgttctcctg ctgagtacaa gcgatgctat 180  
 gccagggcca tggagagacc cggcaaagga caagtctgac agccctgaac tcaatctagc 240  
 gcagaaaata ttcattctgt actcaatctt agtacatctg aatacccttc tcttcaactg 300  
 ccgtctctcg tgggccttgt cgtacgcctt cgccgagaca tccaagggtc tcaaacggcg 360  
 agaccactcg ctgagcggtg cttggaaaca aagcgccct catgatgacc cattttcaac 420  
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 tttcatccaa caggacttcc gtctgaaata gcagggaaga gctccaacgt cgccttcgct 780  
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<210> 6779  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6779

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<210> 6780  
 <211> 545  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6780

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aaacggttcg acctagtcct gctgccccaa atctccgacg cagaatcctc tcttcgcccc 180
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gcacaaccag actacgctaa ggaatcaaag gtgatgtcgt accgttggac ttcagaatac 240  
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<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 6781

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gttgaatcct gacggttcgg ccctcttgct gatgacacac ttaataggca gtctgcttga 180  
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ctaaggtaca catacactat caagggattt gaccgcaaac agtgagtcac gcactgattg 480  
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<210> 6782  
<211> 491  
<212> DNA  
<213> Aspergillus nidulans  
<400> 6782

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 aattataagt ttgtataccg ccttccctgc gggtttctgg tctccagctg gcctgtgaag 240  
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<210> 6783  
 <211> 1174  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 6783

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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 6785  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6785  
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 acacggttat aaatccatcc ccatcgatc gctgcactac ttctgcgtgg ctgggggtcca 180  
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<210> 6786  
<211> 881  
<212> DNA  
<213> Aspergillus nidulans  
<400> 6786

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gatcacagcg gcatgaccgg actcttgatc tttgcacggc gcgacattgt tgaccagttg 840  
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<210> 6787  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6787

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cgggctagtt ttaaacaatga actattactg gcgaatgctg tgggcattcc gataatgcaa 180  
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<210> 6788

<211> 599

<212> DNA

<213> *Aspergillus nidulans*

<400> 6788

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agctaaggtc cacatctcag gcagtaatca tgagcaagat gaagctatcg ggctctccta 180  
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ttaactggga tgtcactcct gttatgtcgg ccaggggcac caattacatc tccctctagc 300  
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<210> 6789  
 <211> 435  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6789  
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 tcagcctaaa agaagcattc acctttgagt atacgaagat ctaaactaga ggaccgggac 180  
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 gcagctttac ctcatctact ggacgtgcag acatataatc gggacaagaa atccatatcg 360  
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<210> 6790  
 <211> 684  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6790  
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 tccgtgggat accaagaagg agtacacagt gaagaatgtg gattgcttta tggatacata 180  
 tacgggtggg ctgatcaagg cgggcaagaa gctgccgctc ctgcagatcc tcagcggcag 240  
 taatgttgag attgtggatg agctggtgaa gatctatgtg gtgccgagct ccaagagtaa 300  
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tgccacagac caaaccgcg tgcgataagc cttcaaagag attgccgcta cgatatagaa 540  
 ttgaatagac gtgaacaagg gtggccacca tgcgcttct aagtgtggtc atcaacatgt 600  
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<210> 6791  
 <211> 1012  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6791

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 gtcagatat cgtaatcgac ttgcccatcc tcagtaatac tgctcaagcc gtcaccag 360  
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 cgtcgtctca atatgagctc ggcgggttagc cgtgttatcg aactgatttg tccacaccgc 600  
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 cgccactgcy gggactgggt acacttcgc acccagcaat cgcagaagat caatcttgcc 720  
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 aaggccccgt tcctcgcat ctttgacaac gtataatgcg gctctgtcct tgacgtgcc 900  
 gccggggttc tgaaactcag ctttgccgag gatgttgaa ccggtttctt cagagagacg 960  
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<210> 6792  
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<212> DNA  
 <213> Aspergillus nidulans  
 <400> 6792

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 cgaccgtgaa cgcaccacgc agaaggaaaa acatagtga cctgactaag ggccatacaa 240  
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 agagaagcat gatctgcgcg cataggtaac atacgcgttc acattgcgaa ccgatgtggt 420  
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<210> 6793  
 <211> 1103  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6793

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 ctagagggtg gtgtttattg aagcccactt taggaaggct gtgcttgccg tgtgttgcta 180  
 tggccacata tacatcatat ttgatattga catggatttt gtatgccatc aacagtgttg 240  
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 ctatggttat agagaaggcg cctgagctgc agactatggt ctgaagcata cttggaggag 420  
 catataagaa ccaaatatat gcggcacatg gacgaaaccc actcacatag tagcagagtt 480  
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ctgccatcgc tggtaaagcc aattgaggag cgacacctgc gcccccgcta ctgtgaccac 600  
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 taatcaacc atgcagggat acctgctgcc tgctgtcttt gcccgaagg ggatccagga 720  
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<210> 6794  
 <211> 504  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6794

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 tcactaccat ggaaaggaaa ttcggctaaa aaaaaaccta aatgattgta ggttacagtt 180  
 aacacatgaa caagtgctaa acagatcgcg gagctgggga tccaaatcat tatacggggc 240  
 gtcggtgtga caaatgctga ggccaccatc ggcgataagc acgacacttg ctgcaaacat 300  
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 agcgacctac aacaatgaca gacactttta atgagttgta ccgaagcata taccgaccaa 420  
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<210> 6795  
 <211> 659  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6795

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 agcctgctgg gccaaagtga gcgctctgtg atgacatcag gtgatcatga cacgaaccag 180  
 agggccgcag ctctcattc ttctagaaga cgtccatcag gttcaaagt atattgacgg 240  
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 ccttatgaaa ctcatccgtc tctctgcggg tagcggtgct gttagatcca gcaccccaa 480  
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<210> 6796  
 <211> 527  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6796  
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 agacggtcag tagacgggtg ggaaagagca acgattgacg ctgatggtgg agaccgtctc 360  
 cggcttcccc agctcgcgct actactcgt cggcgtatt gatggaacgc tgggcaggtt 420  
 gggaccgtgg atcaatcacc aggaaccaag tgggagcagt ctagggagct ggccacacaa 480  
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<210> 6797  
 <211> 553  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6797

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gattcaggaa cagtatccgc tcgcgagagc tggggggagc atacgcatcc ttctgtgtat 180  
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aattctctgg ataaagactc cgttctccta atgccaatcc tgttgccacg gagcacttgg 300  
tgcactcagt tctgttctct ctacggctta tggagtatcc atcaaatcga cttgccaccg 360  
ttcgactgaa gaaaactcga cactcatgat atctaagtcc tctactatg gcttcttgca 420  
gtagcccata ccggaattac tctataaaca tagtttgta aaagcgaccc atggatctag 480  
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ggcgtatgta aag 553

<210> 6798

<211> 689

<212> DNA

<213> *Aspergillus nidulans*

<400> 6798

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actagagttt ttatatgcat cgtggccgaa gcgtcgcgat gtcagttcta ttacaagcaa 180  
gagatatgga caaagtggca atagtataca agttgccttc ataaatcata acactaccgg 240  
attataacta ataatactgc tgctatggat aatttgcccc aaccacacac acacacacac 300  
tatccaaggg aaacgaaaag aagaggatag tgtccatgag cggaatttgt gaggtgagga 360  
ggatgtgata ggtaggtgtg agagcgtcag accatagcaa gcaagtcaag tcaccgtcca 420  
acaagtcgag aatctgaggt tagtcgaagc cgggtcaaat cgggacgcgt gaacatcctt 480  
caacaagccc cgtcagcgtc agactctcct cccaaccttg cacgtccggc gaatgtcaga 540  
aagcaacaca gtagccatgt gtatagcccc cgggtaatat gtggacgtaa tccactttga 600  
gcgaatggat aaacctgcg agcaatcaag aagaaggtcc atccttcccc tctttctata 660  
tgctaatagca gagttcgtga tgcattgca 689



<210> 6799  
 <211> 852  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6799

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gtctgccgaa gagtaaaagc accttcaaat ttgtgagacg ggttactggg agaccgactt  180
actcgagttc aagacagtaa atgcccttgg ggacatagcc agtaagtgcc taagtctaga  240
caggttcaac ccgagtatgc gtcagcggca tctcgtgttc tcaagtacca ataatcgctt  300
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ctgctctgcg ttaagggatc tgattgggtc agaggaagca ggttgtccgg tctcgtcgat  420
gaaattgttg ccagtctaata gttgtaggga cgggggtggc agcactgctc gcggtacgct  480
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caactgaact atcatctatc tcgtagtgta tccgccattt gcgaagatag tctgaccagt  720
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<210> 6800  
 <211> 512  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6800

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ggatacacgg cagactgcat gacggcaacc tacgactgga ccaacgggtg gcgcataacg  180
cgcacactga tgggcctggc cctagatggc tcaggcagaa cgaagaaagt tccgctactg  240

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actacgaatg cttcaacaac tcaccggaga ttgtgcctgc acgatcagac caacagggta 300  
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 ggagaactga aacggacgca tacataaacg acttttagaga tgaagcagaa cactgactgt 420  
 gggctacgtg tacgaagacc tcttggggaa gcggcggacg aacacttatg ataacaacat 480  
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<210> 6801  
 <211> 876  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6801

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 cgactggaac ccgtctcgat tcggatcaat aagggttggtc aatgggtccg cagccgattc 240  
 aacgaggtgc tcgaaaaggc tgagtttggt cggctcaaat tgcttgaagc gcagagacga 300  
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 ctcagtctta gtggtgtcta agatacgcac gcggttgga actttgcgac agaagctggc 720  
 tgtcttgccc aagcgacaaa ctccgccgtc gagcggaata atgatcccct cgaacctagc 780  
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<210> 6802  
 <211> 557  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6802

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acagagaaat aagatagacg agaatttcct aaggatgggg taatcgagta gagtgggtgc 180  
ctagcctatt cgaatgggta acaagcgcaa tcaagctatc cctagacaac aggttcaaca 240  
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atcgaacacc ttctgggtgc ggggaatgctt gggatcgaat tccagttgat cagaaagaaa 480  
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<210> 6803

<211> 570

<212> DNA

<213> *Aspergillus nidulans*

<400> 6803

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cagagcggtt cacaatcaca attagcaaca cgtactgggt gcgctcaac gacttctacg 180  
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tctgaacctc tacacacatg ctaagaccaa taccatcttg cagattgttg cggacacgcc 420  
taccataata atgatgcaat cctttataac aatgtgtgca acctagcttg catccgaact 480  
gaggggtgccg cagcccatga tagagcaggc cgactcgac agtctgcat gccatctata 540  
cacaagacgg gcactgacat gccaacaagc 570

<210> 6804

<211> 816

<212> DNA  
<213> Aspergillus nidulans

<400> 6804

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ggggaaaaat ggtgatcggg ccagaggaga agagtgcgag aagcacaggt catgaatacg 180
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ttaccagact gttgcctctc gtttaaaaga gatacacaga ctgtgcttcc taagtctctt 360
atgaagcgtc aatacagacg gtgtctgctt gtgagttact gggattgctg gattgctcaa 420
tcagacgtcg cagccgtgcc ctttttttcc agttgttcgc tgtcatactg gagccaggat 480
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tgtatgatag gtacagtcta gtaccgcgca gaccgatgag gatgagaata ggccaacggg 720
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<210> 6805  
<211> 1204  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6805

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actgaccgct cgaccgctcc gggctcggta ttgggctcag aattggtggc cttgctggaa 180
caggcaagga gaccgccgct tgaagtgacc tcacctgat cctcggcctc ttatatggcc 240
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aggggtggagg ggaatcaaga cttgggtttgc agtgctcaga tctccatacc tgtacggact 420  
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<210> 6806  
 <211> 295  
 <212> DNA  
 <213> Aspergillus nidulans  
  
 <223> unsure at all n locations  
 <400> 6806

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 agaaaatatg aagttatcgt gacatggacg tcccagagc agctaattgt ggggccgcaa 180  
 tgctgggcca gccttccac cgagttttgg ctaatgtctc cagcactatt agagccaacc 240  
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<210> 6807  
 <211> 855  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6807

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atcgacgctg ttgttccggg agctaggggc ttcgtcgaat tgctcgctgcc acaggggtgta 180  
aagagcatag aggtggcggg cctgtccttg tcccttggag cattccttcg tgattgccga 240  
gtgcttctca gtagcctttc gaagggcatt caccttatcc tcagcagggt tttcagccca 300  
aaatgtcttc acgaagtcga gggcttcatt ggtgacagat cgaatggctt cgggtccgtcc 360  
atgcaggaaa gccttggtca ttgctgggtc ataggtatct accacttgct cgtaaagccc 420  
gtagtaagcc gactggaacg ccactctggac gaatgcgtcc ggtgagaatc ccattgaggt 480  
aataaagttc tttccgaatc ccttgaaatc aagcacttgg aattcatgct gctgaagaag 540  
atctgcgaga tgcgattcgg caaacgggat agcaatgcta agctcaggca acatgtccca 600  
ttctaatttt ctgggggtcg ggctaacgtc accgaaactt tgagggtggc gtttggacgg 660  
tcagggctag tgggtgcccc caagctggga accctgcccc tgatgggtcc ggcaaggcaa 720  
aaaaatgtgt ccgtgtgact tacttgcgaa ccgagaacat atgtcgtaa ccacaggggc 780  
taaaatgggt ccagactcct ttacacaca gatctgcagt tggcgacccc gtttggcaga 840  
ccacttgacc ccttt 855

<210> 6808

<211> 501

<212> DNA

<213> *Aspergillus nidulans*

<400> 6808

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atccataagc agcctgtcca ggtggagggg gagccgcctg ttgccaagga gcagctgtcc 180  
cagccccctg gggagcgcca taagggggcg caccataacc atagtcgttg ccaccacggc 240  
cctgagtggc ccatggtgca gcaccgcat tgctcgggga tccgtaatcg tcacggcggg 300  
tgtcacggcc accccgttgc tgccaggag ccacgtcgct tggaggggga gcgcgttgcc 360  
agggcttgta atcgcggtcg tcgtaaccgt caggaccggc ctcgatacga cggactgggt 420

ggcatccgga ccaggagcgc cgccagacaa ttcttgcata agttgctaga agacattaat 480  
aagagttcaa .cggcaagtat g 501

<210> 6809  
<211> 545  
<212> DNA  
<213> Aspergillus nidulans

<400> 6809

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taagttgaag gagagggggg ttacggggga tgtgagaatg cggaagaatt gagtgtaca 180  
ttccgtcaat gtctgaattg tctctctgtt cataatttat ccagatctaa tgtacgttcg 240  
gtatgccgca cgcgtactaa attgatctcg tcatagactt agggttgcga taggcatatg 300  
actgccaccc agcagccacc agcaaataaa gccctatact tgtagtcat accataaggc 360  
cgaaccgga tgggagccga gcagctaact gttaatgata tcagaggta gttactggat 420  
aatatacatt agtcacatgg ggaataagat gaaagttttt agtcttcaat ttcagctaca 480  
ctgatgactt atagcaaaga ctcagcggca cgacagtata cgtgacacct cgcacctca 540  
accac 545

<210> 6810  
<211> 1005  
<212> DNA  
<213> Aspergillus nidulans

<400> 6810

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tgtctgctgg caaaaagaaa aggaaccgat gggagaagcc agagaaagta ggtggtgcga 180  
gatcagaaaa tggcttgaat aaggaaaata aagaactaac acaaggatag acgcagaagg 240  
gaaagtccct cacactgctg ttctactcac acggagataa ccatccacaa tacaccctc 300  
gacagtccct cacctaggca gctattaacg gcgcgttcgg cttacgtccg gcagaagccc 360  
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cgcatcggcc taggcaatcc ggggaacaag tttgggaggt tcggttggat ttttagcgga 480  
cgctttgtgc acggaccaca taagactatg atttgatcta tgcaaatacg gatatacttc 540  
aaaccaaata gcaacaaata ttgctgacag gttgtcctga atattagagc tatcgtgtat 600  
gtactataac tctcattttg tccaccgaga tctattccta agttgaccct accacatatg 660  
tactgcaagt ctatacctac tagacccacc tccttatgat acacacttag cctctagatt 720  
caccttaagt gtgaaattta gaccgcgaag cccccagcat ccaattgtct cggctcccct 780  
gccgcttcaa acgtcccatt tggcaagacc ctaatcgctt gcgccgtact agttccaggc 840  
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gcatactcaa acgcgacctg gttcgggata aactgatcat gcaatcgcgg tctggcaagc 960  
gcctcagcgg cagataagcc ctcattccacg gcgtggataa tgttg 1005

<210> 6811  
<211> 588  
<212> DNA  
<213> Aspergillus nidulans

<400> 6811  
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gaacgaccag atgtttgtct ttcaggaaca cgagctggag aggatactcg atatcattat 180  
caccaacatg acgccgcaac ggtccccatc tcagaagccg gtaccggcaa atctcctttt 240  
tctcagtgcg cggtatgccc actatcatgc gagcccagag ctcttagcaa cattactggt 300  
gtctgcgaca gacaagataa atgacgtcgt ggagcgacat caatgggaca tgacgattct 360  
cgattcttgg atctcgaatg ctactctcct acttcattac ctcaagaaag atgcgggtct 420  
agttgagtca acgattgaat ttcaactcca tttagccgaa cttatcaacg aaatttttat 480  
tctgattatt cgtgatgctg agcgcgggat gaataaggtg ttggatgcgg cgatgttggg 540  
ccatgaaaca attccccgtc tcgacgacat ccttttccaa aacgagtg 588

<210> 6812  
<211> 574  
<212> DNA  
<213> Aspergillus nidulans



<223> unsure at all n locations  
 <400> 6812

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 gcttatccct agccccacgc agttggctta atagctgcaa ttctcttttc tgttcctatt 180  
 cctgctgcgt ccacccatca tcgtcgatcg cttcacgatt ccagagctca tctcgagcta 240  
 ccaagtcgtc gacttgtctg ccggtacctt ctcggtcaat ataccaatcc aggccatttt 300  
 cttgcacaag cccctctgct atctcgcaaa cccagcaac catggcacag aagtataagc 360  
 tcaaggatat ctctctcttg acgggcatca ataactttga taaggttgag gctgacgtgg 420  
 agggcgtgca ggatggaaag gtgctgctcg tgaaatacga agacaaagtg cagccatca 480  
 gtcctaaatg caccattac ggtgctccct tgaagaatgg agtcgttnct ccagaggggc 540  
 ggattacctg cccgtggcat ggaggtgagc tatt 574

<210> 6813  
 <211> 782  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6813

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 gtgaataaag tggctgctga cactcgactt gtaagagtct tagtcgagag cccatttctg 180  
 ttgtttatgg caccocaaac agcggctgaa gacgcagata gtgggagcgg gcgttggagc 240  
 tgacgactag caagagacat cttaacagcg tcgacgagag agactgtatt ccgcacgttt 300  
 gccagcgagg tggaaaatga cggtcacga ccagtaacct agtccccaaa ctctggacc 360  
 atggagtga tcaactgctt ctcgtctggc tgatgctgag agcttattgt ttgcgcacct 420  
 tgagtgtcat agtgggtgac tgcttgccca ttgatgatca gggccccgtt ggtccgggtca 480  
 ctacgatgga tgaaacaggc ttatgagcga cgcgtgacaa ccgtacgtgg cctatgcagt 540  
 tccgggtcct ccagttcatc ataatgtaca gacctcgcc ccaccgtacc tctgggacgg 600  
 ccgtacggag gagacctgct gcgccatcac agaggccggc agtcccagaa gccatacgag 660

gagatcgagc atatggcatn caagatcttc tatcggaggt tcagtcagct tcgncccgtt 720  
 gcgtactctg gtaatgcgga gtaactaccg tactcgacgc agngttgacg catgtttctc 780  
 ag 782

<210> 6814  
 <211> 583  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6814  
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 gcaggttcaa tgaaatcagt cggaagcaga cgcagttcca ctaatctgag tcgacctgcc 120  
 tcggcggatt cctccgctgc gtcacccacc gatgctccgg atcctccgcc gtcgcccact 180  
 atgtcaagca gcttgaagcg cggccatcag gatgtagctg ccatgaagca gagtggcgag 240  
 gtggaccacg tctctgatgc tccgcctctt gcagcgccgc ccccgggctc gcaagctaaa 300  
 gtaggagaat ccattcttat caaacgggag gacacgtcga atccaatctt agactttatc 360  
 atgaaaacac cgctccactc agacgcacga tcctcttcgc caggtatggg tatgggtgcc 420  
 ctaaagtcga ttgatcttga tgatatgac actcgtcttc tggacgcggg atattccacc 480  
 aaggtcacca agacagtttg cttgaagaac gctgagatta cagccatttg cactgccgca 540  
 cgagagttgt tcctcagtcg gccagcattg ttggagcttt cag 583

<210> 6815  
 <211> 1017  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6815  
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 aggcatcaac aagatctacc acccgtcccc cgaacctccc gtgccaaaag gttgccgccg 180  
 acttgaatct ccatactgt ctcagtacag ctggaagcac accgattgaa aaagtcggcg 240  
 aggcaaatgg accggggaat ccgaggttct atcagctata catgccgcac gacgacgagc 300  
 tgacagtctc cttgctaaag agggcatggg acagcgggtt cgacgccgctc atgctgacga 360

cggatacatg gcagctcggc tggcgccacg acgacgtcgc gaactcaaac tacgcattct 420  
 accgcggtct gggcgagat ttaggtctaa ctgacccggt gtttcaaaaa cgctgccgcg 480  
 aagcaggcat cgaccccgag aaagacgtcg tggcagcctc gaccaaattg atcgactccg 540  
 tctggcatgg acgcgcctgg acgtgggaga aaattccttg gctgattaag acgtggaaaag 600  
 agatatctgg tggtcgacca ttcgctatca aggggattca atccgtaccg gatgcaaaga 660  
 agtgcggtga gctcggtgtc gacgggattg tggtagtaa tcatgcgggc cggcagtcga 720  
 cggtgcaatt gcgtctcttg atgcgctcga gaattattgcg aatccgttgg cgaccagatc 780  
 tatatcatgt atgattcggg tgtgaggggg gcaagcgatg ttggcaaggc attggcactg 840  
 ggcgcgaagt ttgtgtttgt ggggaggttg tggatttggg ggttaagtat aatgggagag 900  
 gaaggggtga ggcattgtat gaagagtttg ctagcagatt ttgatattct gatggctgtg 960  
 ggagggttta agagcgtgaa agactttgac cggtcgatcc tcggtaaagt catgatt 1017

<210> 6816  
 <211> 789  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6816

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 cggcctcgtc atcagtcctg caatctctat cactttccac atccggcggg cttggcagtg 120  
 gcctcgtctg atgcgcctct cagagctttc gcgagaatcg gtcgggcttt gctnggtttc 180  
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 ctgctctcgc atagctggtc ctttcggaaa gtctagaaaag cgctgcctg catgctacag 300  
 ttgccccagc ccattgggct gagggcagca gccctgctgg ctgccaagat gcttacagag 360  
 tatacggaat atgacacctt ccataaccgaa ttggccggat ttggcaaaaa agaaattttt 420  
 gttgattttt gacactttga cagatcaata gtttgcgaa aattctacgg cgcagagatg 480  
 cagaatgaga tcaaactact gccgttggtg tcggtgtcgg tgtcgcaata ttctcctgag 540  
 ttccatcact gctctacgaa gtactagtcc tcccactta tcgtcactag cctagtactg 600  
 ctaatgcgct ataatacaag ctagtccttg tagcgcatag tgccccgtca acctaacctt 660

actatggatg cgggcgagaa gacctagtgg atggagatac ctgggcccc aaaccactct 720  
 gatgaccggg ccttcacatg ttcatgcaga caccagaaat gcagtggaac ttttcgttat 780  
 cgccattca 789

<210> 6817  
 <211> 578  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6817

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 actgcaacat tttaaaattt actgaaacaa atattgagaa ttgaaaaatg tcctccgacc 180  
 aaaagacacc ccgcttctcc cctgccaaaa caaccgtcgt cttcctccta ggcggaaccg 240  
 gctcaggcaa aggaacccaa tccgccaaacc tcgtccgcga ctatggtttc gtccatctct 300  
 cggcaggcga cctcctccgc gctgagcaaa ttcggcctga atccgaatac ggcgctctga 360  
 tcaagaatta catcacggag ggcaagatcg taccatgga aatcacgcgc gactgctct 420  
 cgaacgcgat ggctgcggac tcgacgcgaa caaggacaag tatgcgagcg cgaaaccacg 480  
 cttccttatt gatggatttc cgcgaaactc gaccaggcgg tattctttga ggagacgggt 540  
 tcccgtcgga gttcaactgt tcttgattg ccggagag 578

<210> 6818  
 <211> 489  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6818

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 ataattatct ggaagatcga ccttaacgtg accaattaga gaagtgaacg ttgacttcca 180  
 ttcaaattcg tcaagctctt cctcgtggca cgaacgccag acgaccgtta gaagctcaag 240  
 caatgcaa atagagttct tgtcacaag ggctgaggga cactcctgta taaccctatt 300  
 cgcgaggaa atagccactt tctgaattct ttctatgcgg tgacagcaag ctatgaagaa 360

acctgccaat tccttcgaca agaaggcaga attccgtttc ccggaaggg tcaatgaaag 420  
gtaacagccg acaaccctat cggcgatacg gacatacagc tagccatctc agcggtaaa 480  
gggctggat 489

<210> 6819  
<211> 527  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6819

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tctccgggac ggtggccatt ttggaacgtc tctgacttta gcgctagaca cagctctttg 180  
acgtgcctg aagctcatgt ccgtacatct nnmtgcgcca cgccaagcat taggttggct 240  
agaatgatgt cgctctctac ggcggtgtat agagccgcac actccagata gtgacgcgca 300  
tctactatac aggtggcaga cggagaaacg cgcgtagcat ttgataacca caacgagctt 360  
tcgtcgagct atgatacaag atctctgacg tcttgacag cacctcagac caagagactt 420  
gattgtcaga cacggcaatt acgccgccg tggctgacg actgttgcac cgtcactcga 480  
gggcaccgaa gaaagcgagg cccataggcg ctcatatctt accgacc 527

<210> 6820  
<211> 572  
<212> DNA  
<213> Aspergillus nidulans

<400> 6820

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gtgttcttgt acatgttgat atgggtatcg gtattgcggg gagagtactg cagattacga 180  
gaaagggcat cgcggaattc tgcgagtgat gttcgtagcc gggagaagcg tgaatcagga 240  
tgccacggag gtaattgttc gtttcgtcgg ccgccagcac acgaccactt ggcgatactt 300  
ccccacactc ggatgatacg aacggcgcgg ctcaaaccg actcttcagc gccgatttcc 360  
caccgatcaa tctcatcgtc agcagagtct tttcttctcg acacaggtga ccatgggcgg 420

ttatccgagc cattggggat caattttctcg tcaccaaacc cgccaatgct ctgacggata 480  
 ccgggaatct ggacgccttg ggagctgaag ctttgaggac gtcagccgac cgagtcgctc 540  
 aagcgtgatg tccgcactcg ctctccaaac gc 572

<210> 6821  
 <211> 697  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6821  
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 atggatttgt gagcggcgag gcgttctcaa tcattggagt ataaatgaga aggcgaagca 120  
 gcaggacgag ttggcgaaga ggtattttgg gagcatttcc ctgaggtatt agttataatt 180  
 ctattgcac ttagatagtcg cctacttggg ctcaacctac tgggaatctg ctacaaaatg 240  
 ttggaaaaca gtatacctga cgcagactga aactccctca cccccaagta taatccgctc 300  
 aacgcgagcg agggtcgtgt tgttgtcata acatccaacg cgttgggtta tagggcctaa 360  
 tccttctctg atcttcttat cattcaagct tcttcgtttc tggtttcaac tctaggctat 420  
 atgcggtgtt gccacgttga aaagccatca tgacttccat cgccgtcaca gtcgccggca 480  
 aatcctccct ctttgaacaa gcacaccccc ctttgacacc cgtcacgagt gcgcaatgga 540  
 aatctgcttt gtgtgagata aagctgctct acatccaaag acagtataaa cgatgcgtcg 600  
 cccgttcgtc atctattctc gcgggggcca gggagcctgt acgtcatctc accctacctg 660  
 atcgtatcgt cttctacgcc tctctgacga gataagc 697

<210> 6822  
 <211> 535  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6822  
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 ctagggactc cagtgacttt tcatatcgat gcctccact caccattcct gagtgcgcct 180  
 ggcaagggtga tcgaggggaat caggctggca ctgaaggccg gtagagagca gagtggattc 240

gcaaattgag gtggcttgtg aaatgatagg gatattccat cacacgcttg cctttcatct 300  
 tgtgcggttg aagatattcg tgattatagg tgttcctgct aggtcccttg ggataacgct 360  
 gctgtaagct aatggcaatg gccattaacg tcatattctc ccgtcgttcc attgggggat 420  
 gggcggtttg aacctcaaca tgtgtgattg ctttggaatc tcgcttatag aaagtaagta 480  
 tctcctccca aatggtacct aggggaactca cacgtgatgg catgtactca ttagg 535

<210> 6823  
 <211> 745  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6823  
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 gagctgcagg agatgaaaat tgcgatccag gaggagcaag ccatgaacgc agaaggaatg 180  
 tcgggtatct tgcgagaagc cttgaccatc cctccaatt tgcgccgtgt gcagcagagc 240  
 cttgtgacct atggcctagc tcagctctct ggtgccaaact ctgtcacctc ctactttgtc 300  
 cctatcctaa catttattgg catcggcgga gactctggaa ggaacatttt cctcaactgc 360  
 atgtattcct tttccaagtt ttgctttgcg atcatcgcgt ccttgttttt cgtcgatgcc 420  
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 cttgggggtct acatcaagta tagccaagag ggtgctgaga ttgctcattc agcatcgacc 540  
 ggggccattg cgtttatctt tatccatgga tttggatatg ttgtgggtat ggctattgcc 600  
 cagataccgc gtccgtatta tcatactgac taaatactag gcctctacat cctcccctac 660  
 gtcttcggtg gcgaactctg gccgaatcgc attcgatcgt ttggctctgc tctcggccaa 720  
 tgttttcact ggcttttcat gttcg 745

<210> 6824  
 <211> 546  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6824  
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 ttatcattgg tcgaccatt taattatctt cccaagaatc ccgccacctg cgacgccgca 180  
 aagtaagctg ggttcagagc caaggttcat cagctcaggt gttcatgccg agcgagccag 240  
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 ggtcagtttc aaccgccccg ccacgccgac atgcgttggc ctactatag tagcgactag 480  
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<210> 6825  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6825  
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<210> 6826  
 <211> 438  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations



<400> 6826

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agaagtagcg caaatcgact gcgttttcgt cttcagctta acattcttca ccaccaacca 360  
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cccactaaat gatatagt 438

<210> 6827

<211> 2457

<212> DNA

<213> *Aspergillus nidulans*

<400> 6827

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tgtaatatta gcattgtgac gagaccgcaa gattaaagat tttcctcagg cgctggctat 480  
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<210> 6828  
 <211> 614  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6828

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gcagaaattt ctcaaggaga tacattccct tgtcacgatt atgctcgggc cgcctcctag 180
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gcagacgccg ctggagtttg ggcggcaggg tttctcacag tcaacacgca caagggctctc 300
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cgtggaaaag cttggcaatg ttgttgaggg caagccgctg acctatgtta atgtcgaaat 420
gaaggtggga cagtttagtc tataaccctt tgcgtcacgc atctagctga cttgttcagg 480
ccctcaaaaa agcggtcatt gccatgctca aagctggcca ccccgttttc ttcgttgcca 540
cgtggtgaaa tctctgacag gtcagcgtgt catggactct gagcaataga cctactctcg 600
gcttaatgta cgct 614
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<210> 6829  
 <211> 1026  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6829

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gattcccttc tcacaaccta caatgacctc ggaaagaatc agcgtctggc ttacgaaata 420
tgtttactgt ttactgtttc ttggaagcta atcatatgct gagcccaggg aactggatta 480
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gtctcattta gacatcctcg gcctttgcaa gagcggcatt ttgctcctgg gcaactacat 660  
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caagaagaac aaatgtaacg atgctggaag ccgtcagtga tgcccttgag gaacgaatgg 780  
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aaaaat 1026

<210> 6830  
<211> 624  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 6830

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acggggtttgc gcgcctcgag tttaccctgg acgatcaacg tccggaatcg gtcgtcgagg 180  
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cgaaacatac tttaatttcc ccagaggctt gcggcgaagc ttagtgtcat cgccttcttc 360  
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cttcgcttgc ctttcagctt ccttcgtcgc ttgatcttgt ttctctgcgc tttcgtcttc 540  
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catgcgctnt catcatctga cttt 624

<210> 6831

<211> 685  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6831

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 tgggagaagc gatgattatg cgcatacaaa gacaaactgc cccctgttc acaccagtac 240  
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 aaccttctgt agagcccggt acctacgtaa ttgtgttagc tccaatgagt gatagtttcg 600  
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<210> 6832  
 <211> 513  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6832

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513

<210> 6833

<211> 706

<212> DNA

<213> Aspergillus nidulans

<400> 6833

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acggaagatc gcaaccgtct aagtcaccac agggcatcgt tcaacaacct ctccgcggat 240

acaacacaac aaaatggcca gagtgaggtc tcgtcggggc cgttcaattt tcagaccacg 300

accatggcga aaagccctgt cgtgaaatct gtaagatcta cttagtacca accgtaccac 360

gagtctatgc tgaccgcaat cctatagaac attggtcagc gacgtggcca caaatacaaa 420

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gcgcatgggt ccctggccat gacagcctta tctcacttaa tctgttcga ctctctcggt 660

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<210> 6834

<211> 510

<212> DNA

<213> Aspergillus nidulans

<400> 6834

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agcgagaatc tgagtgcact gttttcttgt gataggagtt aggatcacgg tggggttagg 240

tagcagcttc gggacttgga acagcagtaa gtatgaaagt gcatggcgta aagaggaatg 300

ggagagggaa caggaaagag ggtaccatgg ctgagtccag tgctcttcgt ataaaggtga 360

gcccttgatg atggcggttg cgcaaacacc aaggggaaga cttttgctag ggtagatggc 420  
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<210> 6835  
 <211> 953  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6835

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 aaatctcctt ttctgtatct tccagcacct tgacagccgg caccacgttc cctgaccttt 180  
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<210> 6836  
 <211> 758  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6836

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gataaggtag acattcggga tgaaattgaa cagcgagtgt agagtcaaca ctattaaatt	300
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<210> 6837  
 <211> 483  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6837

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ctt	483



<210> 6838  
 <211> 693  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6838

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tttccgctcc tggatctccg gtagcagaca ccgcacttgg ctccagtgcc agcccccagg 180
cagtatcaat gataagattg gcatctgagg gggccaaacc ccgtccgcga gctggaagtg 240
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<210> 6839  
 <211> 449  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6839

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cagtctttca agcattcagg cctttagtcc gttcagtcct ttagccgttc aatcccagtc 180
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tggggagcat gagtgggaac ttctgagcag tactggaacc taacggcgcg gtcctaggtc 360
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gcgcctagag gcttagggga tactctgag 449
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<210> 6840  
 <211> 743  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6840

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acacatgata cacacaggaa aacatctgca cctcacaact tccataccag ggactggctc 660
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<210> 6841  
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 <213> Aspergillus nidulans

<400> 6841

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cccaccccat ggcaccagac attaagaacc tgggcaagcc actatgagac catgatgtaa 300
aggctaacca ggctcttgat atccccctca tcatccccctg gcactgatct gggacggtta 360
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ttcgactatc aaaactctcc atccacttat gaacaaccaa acgtcaagat gtctgacgcc 420  
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 aaaaatccca agaaattcaa cccaacgac cctagcga 518

<210> 6842  
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 <212> DNA  
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<400> 6842

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 ggatatagtg gagtcaatca aaagacaggg tataggaaga agggaaagga aaaatgaaaa 180  
 gcgaagggct acacaccacc gctatgtggc ccagtaccag gtcgtgacgg attcccttca 240  
 ctccggcacga tgccgacctt gggatcagga atctgaatat ccagcgacat atacgctggt 300  
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 aacgcgctga tgagttcctc gttcaccgtc gcaatgatgc gtctgaattc ctgttcgggc 540  
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 cgaggcacgg cgatactgga ccggccgac tcggactcct gttgactgcg ctcgacaacc 960  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6843

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<211> 501  
<212> DNA  
<213> Aspergillus nidulans

<400> 6844

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aaaccggtgt gctcatgcat ttgctatggc ctacttttcc tttttgttat gttaacgact 180
acgatattct ctagttggac acgaaaaata tgatttggtc aatgttcatt ctcaccagta 240
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aaaagtaata gtagtccctg tagttcatgc tctgtcattc tctatttcac ctttggtact 300  
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 ctccatcccg cgctctgagt ctcgcgcac cgaagagctc attcggttcc gcagagctcg 420  
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<210> 6845  
 <211> 929  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6845  
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 tctacagaaa gaaattatcc agcaaattct gagaaacagt cacagtattg acgatccttg 240  
 cgggtgtata tccctgcgag agattgagag cgacacgagg agatttcacg gcgaagcccc 300  
 cgggctcaa tcaactactg acgtcgaggt gctaataaaa ggagcgaagc ttgccaaga 360  
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 aatcaatgcy atcccatcgc tgtccggaag tttatgtac gtttgcttg caatcctcta 720  
 tttgggccag cacagagttc ttaacaatgc tcagtgaac gtgggtagc gatccgctac 780  
 agggctttag ctgcagcggg accactcaac ccctgacaac gcacgctgcy aacgcaatgg 840  
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 cttagtgggg tggtcgggta cgtgctgta 929

<210> 6846  
 <211> 448

<212> DNA  
<213> Aspergillus nidulans

<400> 6846

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tgcagatgct tgatgccaga gggatcaacc tcctacacat gtctgcaatc aggcgttttc 180  
cgacttgctt gacagctgca tcatcgttct tcacgggctc cagagcctca agccagtcag 240  
gcggaatatg ggtcttggtc caattcgcac gtctgatgaa agcagcatat gtttggattg 300  
gcataatgcc ggggatgatg ggcacattga tgcccttggc gcgacatttc tcaaccact 360  
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ccttctcctt gagatgggcc ctcaatcc 448

<210> 6847  
<211> 662  
<212> DNA  
<213> Aspergillus nidulans

<400> 6847

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actacgcgga tgcagtggcg tcaatagtcg atgcgatatc agctgaaacc cgctgaatgt 180  
cataaactga ggcactaagc tttgccagaa gctggccgaa agattcctgc gtaacatcat 240  
atcagcatcg cgaacgtact ggggtgagta atcgtgagac gacccgccc agagcccgag 300  
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tcggcgaaag attggacatc ttgggcgaac tgttcaagtt gtccatagtc gacagaaatc 420  
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acgagctgag acgggaccag ctggccttga acttataccc aggaaatgat gagggatatcc 600  
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ag 662

<210> 6848  
 <211> 581  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6848

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cgccacctgc acaaaggga taccgtaac attacggcac ctggatgcgg cttctgcacc 180
ctacgtaaca taactctgat acattagcag ccttnnnntt ttttaactct ttactccttg 240
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ttttactaca ttgctaata gaaggaggctc cctatccgtt ccgtagcttc cggatcgcca 480
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<210> 6849  
 <211> 1218  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6849

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ccactagtcc agcctccttc aaagcagaaa tatgactatg acttcttcct aagattgatc 240
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tctcgcggcc tagagacccc gcagattcag atgaacatgg gtatcattgt aaaaattgcc 480
taataacctg tgcatataga tcaaggacca gacagaaata tgtcacgact ggccctgtca 540

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 cgcaatagag agcaaaagag ccgtgaggta accgtaaaca accgaacacc tgctatgctt 720  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6850

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gaagtggtaa gacgacgttg tctcgcttcg tcgcctggat gaatggcttg aaggtctttc 720  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6851

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6852

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 ggatggtgcg tatgttgacc tgacggcggc gatgagtgcg tcaacttatc agcgtaatgt 480  
 aacagatagg acgctacagc ttgacgcagc agcatctgct gtgtctgact gcactcacga 540  
 ccatgggagc 550

<210> 6853  
 <211> 820  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6853

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 caataaagtc tccattacct taagccgtat acgaaaaagc tggctactac tggtaacagc 360  
 agaaccocga ttcaaaatcc attacaaggt agtaatgtga caagcaaaga atgtttcatg 420  
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 caagagaatc atagcagcgc cggcaaaaat ggagtggtga acatacgcgc caacctggaa 660  
 gacaccaaca tggacacttc caggggacag agcgaatgca gctccctcag aggtgtcggc 720

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<210> 6854  
<211> 757  
<212> DNA  
<213> Aspergillus nidulans

<400> 6854

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<210> 6855  
<211> 512  
<212> DNA  
<213> Aspergillus nidulans

<400> 6855

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ccaggcgatt gcgcctttcc cagcaagtcg ctccaccagg atgaatacca cgacattcaa 420  
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<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
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cgagtcgtct tcttcaatcg ggcggacctc catctctaac gcggtcaagc gagcttagaa 240  
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<210> 6857  
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<212> DNA  
<213> Aspergillus nidulans  
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 ttggttggcc ctaatccctc ggcccttctc agcacattac tctggtgtat tggaacgatg 180  
 gcttccccca gcccatcctc accttcatct ccctctcat cagcgtctct gtcctgtatt 240  
 tcgctctcat ctttctgtc tctgtttctc tcatgcgtcc agacaccaa gggcaggggt 300  
 cgaaatcggc ggacgcctaa cctccccccc tccacagcca ccaccaccaa cagcaacaac 360  
 aatacaagag cgaatgcgtg cgccacccca tcatgacatg tacatgtaaa agcacgctgc 420  
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<210> 6858  
 <211> 897  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6858  
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 cctcctttta catgccaacg gctctgggtg aatgaaggcc gccggtctgg cttgagtggc 180  
 cccgttgatt actatacacc agtgcaaaag tgtccactga tgatcccttc ttcattgctat 240  
 aagaaaggat tgtcgactcc ctccaaggat agtactagca agacaccaca tgaaagcagc 300  
 acaccctgca ttgagcga ccaacacacg cctgagcgtc cctgagcgtc 360  
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 tccccagtcg tcatgctctc caccactatt ctaagctcta caagcagcac cctgtacca 480  
 gttgtgggta cagtgactaa aactgtgacc tgggtcacag tgactgagac tgtatctgta 540  
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 ttattgtatt tatttttagct ggtgagaaga ctatatattt ccgtcaatgc catgctgctc 660  
 tgctcacctt taagttcacc actaccatca tcttccaaag catcaagtat ctcgttatag 720  
 ccaacagagt agcaaaatgc atatgctgca gctaggaacc tttgctgccg gcttagatca 780  
 gtacatgtac tgttatagta ctacgctaatt tcacggatag tatcatcggt taatttaaaa 840  
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<210> 6859  
 <211> 491  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6859

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gtactccggt accggtacgg ctatagtcac ggcacgctct gcaaggcgct cgcgaccggt  180
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gggcgagac agcgagaccg accaacaccg ctctggaggc ctgtcgcatt ccttacgac  300
acgagattcg aatcgcgccc ctatatcata ccgtgaagaa tcgaccgatg atgatgtcct  360
gaataactct catgaggaag atccagatga ttcgcttcat cggacctatc ctctaccgca  420
cgctgatatg cgggccacgc ctacaacaca atcaacggcc agtcgtcctc gtcgtagagg  480
tctgttaaaa c                                                                491

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<210> 6860  
 <211> 492  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 6860

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ataaagcccc catgattacc ttcgctaaac acggaggcct ggtttctgat cgtgccattc  180
caggtctgtg agacgactac ttgctcgga acaacgaggt tgaagatatt aanmmtatg  240
actggaaaca catggtctgc cttgtacctt ccggcgctct ttgaggttgc aaactcac  300
cgacagttga tgaatggggc aacaacctct acgaatcgta taagaaaggc gaacaatttt  360
tcggattcct gcatggcttc aaccaagcgc caaccgatta tgggtgcgttt aaatagaggg  420
aacctgcaa ggggaacgtt ctatgcatat tccctacaag atgacgtatg aagaatccgc  480
aaccctacgt gt                                                                492

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<210> 6861  
 <211> 823  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6861

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gttgttcgca ttgctctgcc ggagaggcga gtactctgag tcgaagagcc agggccaaat 180
tgggagggttt gttgggactg gagcgtagat tgtagtcaa aactttgaat atatgaccat 240
tatagactaa gaaggggacg cactgtcgat gtgcggtctg gtggatttga agatcatcct 300
gtctatgtca aactgttaag gtcgattaac tgtcaattct gagatcttgg gccgcagtgc 360
cagagccgtc actatattta aacgagatag atctggggaa aatgcgggga atggagggtg 420
aggtagtggtg gaaagactgg gaccggacat ggcccagggt tatagaccec gcatccagtc 480
ggtaaagag atattatctt gtataggaac ttgtctgcga accgatcacc gaggatggtg 540
gacaaatcct agattgcact tcaccactga gaatgggtca aaaactttca tatcggttcg 600
caaaccacct tggaatcgct tcgggctgtc taacaattgc aatccaata ccggccatat 660
attctattat accctacagt acatatagcc gatatggttt gccatatatg cttgaaatag 720
agaactgctt actgggacca acggacaagg aactcccatt cttaatcaag acattcaact 780
gcattcatcg gttattatgc aacgacctag catttcgcaa gca 823
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<210> 6862  
 <211> 650  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6862

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aaggattgac ttgcctgggc ggccccacgc agtgtgcac cgtccgtcc atttggggtc 120
ggattctgat tcaaccccaa gcccaaattg tgcaaagaaa gaattccggc gggcttgggc 180
ctatgagcgg ccgtcttcat gacgatgagt gttacgctcg agccgtcgac tcgcttccag 240
catgatcagc aagcactccc aggcttaaga gggctctgct gatggtggat tgtggactgt 300
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gaactttaga gtgaacaacg gcaagggtcga tcagaattaa tttcccgtgc tcgctgctgt 360  
 gggaggattg gtcgcagtcg cactgctcgc ctggccctgt cgagtgccac tagagtgcc 420  
 caatcattgc agcgtcgccg cgaccgtggg ctgtccatcg ggctgcgcg gaagacaaag 480  
 aagagtatac accgaccgga gtaatcaatc tacatgagac ctatagcaac ggatattatt 540  
 gtggcgacga gcgaggtttc gaaaccgttt ccccggccca gtcccaccga ttgccagaa 600  
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<210> 6863  
 <211> 527  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6863

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 atggacgggt gactgactga gacgaagaag ctggttgctc catccgatct gctaaacatc 180  
 ccaggaaaca gtttcagcca ggtatcatcc ccatacatta caagttgctc gcccttcgct 240  
 cttatttggg ccagccacgt atcttggtat gcaaggggtg acgatgtgtc agactcagct 300  
 atgttgagaa taacatcgag aaaagacggc acagatcctg tggcatagc cttcaatcga 360  
 ggcatgttaa ctgtcgggga acctgcataa gcggtaaagg gaattgcagc accggatcgg 420  
 atgaggcttc tgaagtcagt aggactatca ggcaagatcg aataataatg cgaacctctg 480  
 tgtgaagaga aaccgggagt tgttgaata acgaagtact tagtcgc 527

<210> 6864  
 <211> 377  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6864

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 tgctggcata tcagccagcg ttctcactct ggatactcct catccaatgg agggcatgat 180  
 gcccaattgc tccagctcca cgaactgaac tggtaacctc accttatagc atcgagcaaa 240



tcacgacgacg tattcacatc acccgtcttg ggagagataa aactgacac aacttgctc 300  
 tgacgctaaa gcacgtctac gcagcgctaa cgggaattct tcaggtcata agcttcgtca 360  
 cacacagtgt agacgaa 377

<210> 6865  
 <211> 518  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6865

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 tcaaccgttc ctctctttta cgagcagccg ccagctcttc ctcccgcttc cgcgctgcct 180  
 ccatagcttc tcgttcctgc cgctccttct cactcttctc ggcgagacgg cttgacctct 240  
 tggcaccagc aaggagttga aggttgatga gctccttttc gcgcttgatc ctctgacgct 300  
 cctgggctgc ttgttcctgt tcaataatcg gcattacgtg ctcttcgatc ctgtctctga 360  
 gtatcttttc atctgcgtcc ctctgttcc gtatcgaatc aaggaaactgt tggtagtcct 420  
 cagcgtaatg gcaatgcatt cccacttcaa cgccgcgtag gggttctcaa tgtccacatt 480  
 cacgtcagtg ttctcctctt cagactcttc atcgtggt 518

<210> 6866  
 <211> 291  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6866

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 gaatacactc acgcgataca ttattattta acttgagcat ggc'catgttt gcaggcgaac 180  
 gagaactttg gcaggacttg aaccactgat tattagctct cagtccgact aaaattttaa 240  
 gagatactca tgactgtatc cagtccaaca tctgcctaac aatatcacga c 291

<210> 6867  
 <211> 838  
 <212> DNA

<213> Aspergillus nidulans

<400> 6867

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tttttcagca tattatgcag caatcgccg ccccggttgc ggatgctcag ctctttcatc 180  
ataagaggcc attgaacagt ctgagcacac gtaggacact ttccagttag cggaacaaga 240  
cgttctggat cctccgtggc atccaggaac gttctcgaca aacacagcag atgagtagta 300  
ctggtacagt ccgcctctgg gcaaacaact gccagtcac tatctacata ctgctcctta 360  
cagattttgc agtatgagcc tcgcatgtcg tccagcaaga acgtggcctt ctccaagtaa 420  
tcccggatgg gcgtatagtc gactccaatc tccctaacgc tgccaacccc cagactgtgg 480  
tcacattggg gggaagtatc cgcacagttg ccatccgca ccatcttgat atgagttgga 540  
atgctctcgt ttacgcggcc acacaacat ctccattgct gtgagacgct cgcagcaaaa 600  
aatcgcaaac taagaggcca ttctttgaag tatgtttaac gtagcaaaga ttagatctt 660  
ccaggtgagc cttcaaggag ttcgagtacg tcaggctggg ggttcctctt tgctttttct 720  
tacatcggtt cacgctacca gtgctctgga tctgtcaggc tttagtcttt tgtgaggctg 780  
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<210> 6868

<211> 459

<212> DNA

<213> Aspergillus nidulans

<400> 6868

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ctggccagac aaagacgcac aaaaacataa agagatacgg ttggaacggc ttagaggatc 180  
aggcgcggaa caaactttgg ctacagcggg gaggcgctgt gatgattact ccactactgg 240  
ggctaagata ccacccatga gggcttctg aacgcgttgg tcaagaacac tatgctggat 300  
tccgacggca aggacaactg gggctgtgga agcaaaaggg aggggtaggt cgaatgacca 360  
caaacaatgc ccgagagatg agctcggcgc gtctactgtt gatgaaacag attagtctgc 420

gttctagtca ggcttcggag tgttctgaag attgcttga

459

<210> 6869

<211> 146

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 6869

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tatgcagtac gagctagaat gctcatttta ctatgtatca gtacgtactt actattcagt 120

atgcagatgg tacagggaca ttgagc 146

<210> 6870

<211> 944

<212> DNA

<213> Aspergillus nidulans

<400> 6870

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ggtttctctg ccaaaggta ctcatacagc tggcgccatg tcttgataga gattgaatcc 120

ctcttagtga tctataacac ggctgcagga gttgggtcag tgtgtttttc tgctcatagg 180

gattttttgc acttaaacga ctttttgca atcaataggt cggcaagtat gaaactgcct 240

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agtgtgcccg atcaggatca cattgatatc caaaaggata tgaaattata aagactgtag 660

actatacccg gagaattcaa gaagaaaaga gctctcaagt aacgaaatcc gcggttgctca 720

catcacgtgc cttgattgtc gtagaattat atttcacgtt caagtcaggt cactggaatg 780

tcggtacttt gtcatggctg aaatgatctg gtggaaatgt gcttgcatcg agtatattcg 840

gaagcctgga ctgacaccct caagcacttt cggggtgact acggcacagt taagcaaagt 900

aaagcattca atacctgctt ccatgatcgg gtgagtata ccgt

944

<210> 6871

<211> 734

<212> DNA

<213> Aspergillus nidulans

<400> 6871

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tcgcgtggag taaagtcgc taccgtacga ccgcgcgttc gcttcccgaa gcacgcggcg 180  
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acggcgacac agaatggctg acaggcagcg acctgcgaa gaaataccat ctctgcatct 300  
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gcgcccataga agcaatggcc tatcttacct ttttaattga caattacgac tccctcccct 420  
cttctggcgc tgtgtttgtc catggaagcc gctgggcgtg gcacaatgac gccccgact 480  
acgacaatgc atacctctc acacaattgg acgtcgaccg cgccctcgag cccgcccggg 540  
accacaacct gcgctgcgac tggagcgtca gtacctgctc cgccgataca ccaccgcagg 600  
ggccccatga gatggccttc cagagcaaga tcgaccgtg ggacgcgcgg gctgcgtcgg 660  
acgcagcgtt gccgggcgcg ttggcgacga tctttggaca taacgatccg gcggggacgg 720  
ttatgctgag tcgg 734

<210> 6872

<211> 527

<212> DNA

<213> Aspergillus nidulans

<400> 6872

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atggttctca agacatatc aagcggtcga acatgaccgg aaccagctta atgacaccat 180  
cgagtctctc atcgtcactg gcgggtgggg ctaagtcgag cacaatacgg tggaactggc 240  
gatatcattt tctatcgatc ggtctgaagg gtcacgtc gccattgatc acgctctcaa 300

tccacagaat ctcttgaaac tcttcgaaga agttagctta tccggaaga ttggaccagg 360  
cagtttaacg aatggtcaaa gggtagcttg ctctgagttt tccgaggcca gattctgggtg 420  
ggttacagct tgccccgaga gaggcgcgtt catcatttct ggctaataca gacagtggaa 480  
aatgtgggag gagaaggttt agtatgcagc tttgggtagg gaaaggg 527

<210> 6873  
<211> 512  
<212> DNA  
<213> Aspergillus nidulans

<400> 6873

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gttgcagaac atgtgaatca ggatgacggc gaagagagat cccgttcgca gatagacaaa 180  
agtggcgtag cagccaaaaa ctgttgata cgcgaactga aaaacggagc gaagcacggc 240  
tgcgataacc gaagtatccg gatgctgcaa tcggaactca tagaaatgat gcacatgagc 300  
gactccgaag tacaaggggg ccacccaaac aatatgtcct ggactgattc tggcgagtag 360  
gtggagaggt attattgccg atctgaacat gacctcctct gtgatgggac cctgaatcgc 420  
accgtcaatc aaatgtgcta gttggactag cgacagtctt accgcgatat agtttcgcca 480  
ccaatccaa ccacctaacg tttcagagat tc 512

<210> 6874  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6874

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gtttggcgaa tgtgccattc gaggattgag accgtcgtct ctgtccatga tagcggtcag 180  
cgggtggtatc tctgcgcca tttgtgaaag gactccgagc gcgaggagct ggacactggt 240  
cgatcatcaa tgataatcca ttcctcggag gtgaaccagg tctcgtatgc cggccagcgg 300  
aaggtgggag gcggtttgct ctataatacc cgtaatcgcg gccagaagag tctcctggct 360

gcctcgaggt cgaggtgtta tggctccaag tgctgtcgcg agctcgatct tctctaaaag 420  
 gcgatcttgg ccgcctcgat gacgatacag gagatctcgc tctcacatct cgacgaggcg 480  
 agaacttccg agaggcgat gttttcgtgt atgaaacgac accaacggct ctgttgtacg 540  
 gg 542

<210> 6875  
 <211> 525  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6875

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 gtgaggctat ttgcgctaag tgcgcctttc gcagcgtaa gctctgcaat acgcctgcgc 120  
 cgtcggcgag aggtgatata gtcacgaaca agcgagacct ttctcggagc ccaacttggtc 180  
 aggaactcct cgcctttcac atagtcattc tgtgtattca tacgccagag gtctgcggcg 240  
 cgctttgcag aactggacg taccgcaaca gaatacatac ggaccgtaga gtgcacaacg 300  
 cgtgtggtac taaagaagtt cttgaacatc gattgcgggc gtatatacgt ccgcccctgc 360  
 acttgagcg tcaggtcgat ctogaacgac acagggtcct gcaagcgtga agactggaga 420  
 tccatctgac cgttacttgc acgcggtact tttccgcagt cacccggtcc aggagtagcg 480  
 agttatgtaa gctggagtcc attggcctac aagagtgatg ttgga 525

<210> 6876  
 <211> 846  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6876

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 gcatcaatga gattgaagat aaagctgagc acgggaagga tgttggtatg ctcggtgctt 180  
 aaacatgata aaagcaagcc tttggctctc caactgaggg ataattaaac atatgaggcc 240  
 atgtacgcta gacattgttt ctgttcttgt tgtctgtttc tgctggatcg acacggtata 300  
 tacctatggg tgtttgtcaa aggagtacat attgcattta catcaaggtc tataaaaagt 360

tttgtttcct agtttattca agctgctaga cgtggagcag catgtactca ttacttggca 420  
 gtttggggat atccaagatg aaatgctgag attcatcggt atacgtaagg taacaaacaa 480  
 taaactgagg acgaagtatt tgtcctaagc ggagtgcgat attcttccat ctacttccgt 540  
 cgacgggaat cacgatcatt atctcgggtcc ctgtctctgt cccgattccg ctgcttgctg 600  
 gaggcagtcg atgatgaata ccatgaacta ttctgtcat catcgtaata tctgctcttt 660  
 cgatccccgt tccgatctcg gtctctaacg gggctcgaac gacgctcgcg gtctcggta 720  
 cgataatc gatcgtctcg cctatcgcca tcgtcacct catattttcg tcgcctagaa 780  
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<210> 6877  
 <211> 529  
 <212> DNA  
 <213> Aspergillus nidulans

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 gcagggaaaa agaaactagt cgacgagtgc agaacttact tccgtatact gattcacctg 180  
 tagtccaggc tccgccattt cagcatcctt caggaaatcc aatggcatcc aaacgaggtg 240  
 tcccttgatc ttatcgagct tctcccggac ttctggact ggtatgaacg gatcgtaaa 300  
 atggccta attgtagccat ctttggcgcg gtacttgtca tactcctcaa aggtccta at 360  
 attgtcgtcg ggatcgggtgc ggaagagctg ccggtagatg ttagtgtaa cagtggcctg 420  
 gtctgtccac gtcttccaaa gattgtcggt cattgggtcc gtgacgaagt cgttttctgg 480  
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<210> 6878  
 <211> 480  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6878  
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 gtgctctcca ctcttgccct ggaatattcc atcactttag atacgtggca tcgtactgtc 180  
 atatcgtgac ctacgtggcg gatcatgtac tcaataacgg gtgtacttta cgtataggct 240  
 gaccatgact ctgttgagga ttgacacgct attcgggtgcg ctgaaaccgg aacttgcacg 300  
 gaatgttcct tatttttagct atatgcacat tatacgtatgg ttgaaacagg taaaggccat 360  
 ctgtattcct gcgtcgtggg ccatctcata tacagggtgac ctatttcaat cgcttacatg 420  
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<210> 6879

<211> 534

<212> DNA

<213> Aspergillus nidulans

<400> 6879

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 ctgtacgtat tatcctgaca gcatgctttg ggcaactgaa ctaaactgcc ctgcctaatac 180  
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 acatactacg actcgtgcc gtgtgcaaata acacgaaggt ataggtctgc tatgaggggtg 300  
 ccgtttgcgc agacgaacgc atggatccaa tacatctata cggcactatt cgcgacctac 360  
 catactgggc ttgaactgag cagcatgcat ttgttggtca ctgaaatgac gatgactact 420  
 tgcttggcat tgtgcgcttt accgtgcgtc gagacgatcc gtgccgtgtc tatcgagccg 480  
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<210> 6880

<211> 646

<212> DNA

<213> Aspergillus nidulans

<400> 6880

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 tccggtagag gttggaattt gatatttaat tgattttatt cgtttttttt cttactgtga 180



agattcccaa gaacaacgca ctggcaaaga cctcatcccg gaccgccgat tccttggtgt 240  
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 cgccgcggcg ggactttctcg acaatcagga catatgtccg catgaagcac gatacagaga 480  
 cctcctcggg gtttcttgtt cgaatggaag ggggaatag cataggtacg ggggcggggc 540  
 gcgccgcacg gtgcgaaacc ctgttgagat ggcagatgta gacgtcagga ctgagatctg 600  
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<210> 6881  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 aaataatttc cccctttttc cctttttaaa ttatttttta ttcaatattt ttaataatta 180  
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 tcaatattta taattaatta tttcatttat tataatttat aatcataata tttaaaacta 480  
 tatatttttt tttaaaatta tttatatcat aaattttaat atattttatt ttatattata 540  
 gtattactat attattttat taatataatt ttaattttat atttataatt tcaaatttat 600  
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 ttataattaa taaattttta atataatagt tat 693

<210> 6882  
 <211> 780  
 <212> DNA

<213> Aspergillus nidulans

<400> 6882

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cagatgaaga aaaacccacc gaaagaccac gcactcactc ctcccttagg gtctgcgcgc 180  
gtccgccttg agcgccttat ctgggatgat aagattatga cgtttgttgc gcggatcatg 240  
cctggtgagc cagaaaacag tggtgacaat gctgagcccc agccagactg gatctgcgtt 300  
aatccacttc cccatgtcac ggtaggcacg gtttcgccag ccgtcaagcc aaaggagagt 360  
aatgatctgt tgcagaggtg gctgcaggag ggatcgcagg gtacgggcat ctgggagatg 420  
gagatcccgg gggtgaaagt cgttaacggg actgtaaagt ttactatgag tcggggcaaa 480  
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tattcctccg gtactagcga tgcagataca aataaagtct gaaaaaaaaa aaagcaaagc 660  
aatcggtgaa cataatatga tatctaact agtgttctga gtgtatcttg aagaaatcgg 720  
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<210> 6883

<211> 627

<212> DNA

<213> Aspergillus nidulans

<400> 6883

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tacattttac taacttgca ccactaaca agcttcttta ggctataggg gtatatctac 180  
ctctgtttaa caatctacct tatccaggga atgccctagc acgacaaatc aatacccctc 240  
ccgcgaacta taactcatac cgcaatgaaa cacctcccca gacattcaag agcacggcctt 300  
caaggcatct gaaaaactat acacaccacc ttaaagcgca cgtgataaac atccagacac 360  
acatgccact gcaccattga taatgactct gctgtcaatc tctactctcg ctttacctct 420  
taacatctga agcctataat gtttttagcc accggtacga ccgggctaact ttccgccaga 480

aagccatagt acatctattc ggtacacaat ttgataccc acaccacgtt actttatagc 540  
aaagacactt ttcacctgct tgccgtgtga cacatttaaa ctactactcg cctcctgcac 600  
catttctgct ccctatccac caccatc 627

<210> 6884  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6884

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tggttgctaa aagggtcccc ggagctgctg gttagtacga atatttgag aatgaagagg 480  
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caggtatcgg catcgttatc gcaggatgat ata 1053

<210> 6885  
<211> 895  
<212> DNA

<213> Aspergillus nidulans

<400> 6885

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aaactcgcca acacaagcgt ccaagcttcc cgctatcccg tcatcattgc actccatcaa 240  
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caaggcagcc tgagagcagt tagtacaggg aaaggtggga aattggcgaa aaactcacag 360  
caataacttt ccctctcca acgattatga cggagtggaa tgtattcttg gcgctatcac 420  
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<210> 6886

<211> 581

<212> DNA

<213> Aspergillus nidulans

<400> 6886

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taaaatagct ggaacaatgt tctgaaggct gaagctaaca cagccgcggc tntaggtggt 180  
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tctacggaat agtaaacact cacattgtgc ttttaggggc tgtgatttgt tcacatcggc 360

aagccgttga gccacacaaa attctgctga ccgcttaaac gttctccact ctgatagggt 420  
cgaagaccgg ccatgttttg ctggcaccgc cgcagcacag caaggaacca ggcttagtaa 480  
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<210> 6887  
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<212> DNA  
<213> Aspergillus nidulans

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<210> 6888  
<211> 473  
<212> DNA  
<213> Aspergillus nidulans

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tactctccca gtgctatgaa gccgcctgtc tagccctcca cagtcacctc aaagcgataa 240  
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 cccgtccttc accccattca tcattgtctt tacgcacgca atcacaacat cttcgaccac 420  
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<210> 6889  
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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 6890  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6890

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<210> 6891  
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<212> DNA  
<213> Aspergillus nidulans  
<400> 6892

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<210> 6893  
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<212> DNA  
<213> Aspergillus nidulans  
<400> 6893

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gcagggtgtg gagtacgact gcgcgatcag gttacggatc tcgcgctcgt aattgggctg 180  
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gataatgagt acagctgttt cctccatcac cccgtctgtt gagagtcggt catttgctcg 660  
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<210> 6894  
<211> 1017  
<212> DNA  
<213> Aspergillus nidulans

<400> 6894

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<210> 6895  
 <211> 756  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6895

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gttgaatcgc ttcgtccgt ctcgtatccc gttgttttct cgtttgtctg cggatcatcg 660
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<210> 6896  
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 <213> Aspergillus nidulans

<400> 6896

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gaatcctgat gggagctcct ttttccccctt gaagagtgat cactgtggga aaaccaatgc 540  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6897

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<210> 6898  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6898

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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6899

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 <213> Aspergillus nidulans  
 <400> 6900

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<210> 6901  
<211> 555  
<212> DNA  
<213> Aspergillus nidulans

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<210> 6902  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6902

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<210> 6903

<211> 569

<212> DNA

<213> *Aspergillus nidulans*

<400> 6903

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aaccgaacca ttaccacaca accttgatc cttgtttagc ttccgacagc ctctactcgt 180  
ttagaagata tgcacccaat tctccgtcca aaatcctatc acaaacgact gcttaccctc 240  
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 ctcggtccgt ccttgccaga ccacgtctac aacttctggt tccagcatgt tgccgaagac 480  
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<210> 6904  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
 <400> 6904

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 <211> 501  
 <212> DNA  
 <213> Aspergillus nidulans

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 taaattgcat gaacaaggct gggagatttg aaaggtaaca gttaattcga taaggagaac 180  
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<210> 6906  
 <211> 449  
 <212> DNA  
 <213> Aspergillus nidulans

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 gattgcagcg actggggtct taactgctgt tccatactgt accaagtgcc tgaggccatc 180  
 ctatcatgtc taagggtggac ggtatccagc catttgctgt tcacaagcat ttggaggggt 240  
 gcattaacaa cgttatgata catcacgttc aacgaacttg acctttcaac cttgtgctct 300  
 ctacttacta ctatgtgtaa cccagactgg gcctaaaatt gcgacctgcc atgtgagtat 360  
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449

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<211> 585  
<212> DNA  
<213> Aspergillus nidulans

<400> 6907

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caacggatcc ttaactgtga acatattgaa ggtaagtagt cgcactctttt ttcgccgatt 180  
cacaacttta gctaattata atctcaagct acttgctcgg ttcgtcacca tggatgacga 240  
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ggaagtaaaa gccctcgcac aaactataca ggccaacgcc gctgcatcca ccaagcgcaa 360  
gcaggagaac gggaagccgg gctcaaaaga aggctcgcca gctaaacctc cgggtgtcagg 420  
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<211> 837  
<212> DNA  
<213> Aspergillus nidulans

<400> 6908

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tgacagaccg agatatagcg tgactgccc gcaaacgctt ctgctggcgc acggtgtacc 360  
cctgtaatag cgggttgatg tcatcctcgg atggtttgtc aatctgactg atcctgcgca 420  
acgtgtttgc tagcgcagag caccctcgat cgcagtattt gctccctgcy ccatgttggg 480

ggatcatctga acaactagtc agtgacgggg caccaggcca agaactactg gggatgagaa 540  
 ggagagcgag aaccggagag ggtagcccac cttgctgacg ctgtcccaa gacacacgat 600  
 tcgtccatgg tgccaaatct ggaacaggcc ttcttccagt attgtgaagg agtacttcgg 660  
 tgtatttacc acaggatcatg gaatttcaga tctttgcata ggccaaggcc ggcgtggcat 720  
 cttggccata ataagggtctg ttctgcctgc cgaggattga gttgttgccg gagagttgca 780  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6910

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<210> 6911  
<211> 947  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 6911

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 <211> 473  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6912

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6913

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tcttgacagc cctaagaatg aaaatgacga ctgtgggcaa gcaagcccag gcgcataatt 540
atata 545

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<210> 6914  
 <211> 455

<212> DNA  
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<400> 6914

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 attagacttg gtacatgcca atcccaagcc aaacgaggga atagaagctc taaaaacgc 240  
 cttactcaac gagcaccggc acatggatgc ttaagtaaca tactaatact ttgacaaaaca 300  
 aaacctgact gcaattcata tcgcgctaga gtacatccac gaagctgaag ccaaacaagg 360  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6915

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 aatgcgtcgg cagatccact acaatgggtga acggcgaatg actgcgacat gccatgcaac 480  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6916

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<210> 6917

<211> 586

<212> DNA

<213> Aspergillus nidulans

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cgaagcgaat tattcaatca gtctggagtg cggggttgct atcagtcac cctcggactc 180  
caactgtcca gggttgcac cgagtattca cattctatcg agtaagcttg caaaaatgaa 240  
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ggccgcttgt gggccggcaa tgtatataga tagaatgcaa aactatagga ttctggttcg 420  
gcttgaggta tcgaccgggc gatttgccaa tgtttattct catcctctc cattaacaca 480  
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<210> 6918

<211> 842

<212> DNA

<213> Aspergillus nidulans

<400> 6918

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gaattttcag agtttagaac agacttccat cccaattga gtagctccta catatttcaa 180  
tgctcagacc tccacctttt ccctgttata tgcaagaata ccgtcggcgc aaagctacac 240  
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taccgaagt agctgagcca gagacggaac tcgggtgggg gacggccggc atttttggtt 600  
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tcgccgagga gggagccgat gatgagcccg aggaactgga ggccgagttg ctgcgcgttg 720  
agggcgaatt tctcttgagg agttgtggga cttcgacccg agtgagcacg gaggcgaaga 780  
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<210> 6919

<211> 782

<212> DNA

<213> Aspergillus nidulans

<400> 6919

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gtctcattac ccctcctacc gaatatgctt atgccagct agaaaagaga accgctagcg 180  
caatgtgaat atctgttagc catagcatgt taaaaggaca gtaaggcctc gcgttttttag 240  
tccaaagccc tcggaccctt tgtgcctggc agctctgcct cacaatacat ttaaccagca 300  
ttccgtgaat tggaaatcaa agctccaagc cacctgcata agggtcggat caatcgcggt 360  
tccatcgata ttattgcggc gtgggcgttg agttcccaac gccggcatgc aaccaatctg 420

agtaagaaga ttcttcttgg ggcactgatg gacgagtggc ccctgggttaa gaatgtgctc 480  
atgaaatgct gaacctcttc tttcggattc atttatgctt ttgtatgtat cggcaatggt 540  
gaatttgctg agtcgctcgt gaaagggttg ggcttaagct gccagactgg gggttatgct 600  
gcaagggttat aggcgttact tctagcccac tggaagcaag actcgtctaga attccaaaaa 660  
aagggtattgg atatggacaa cttgaaacct tgagtctgcc gagcccggcc attataccta 720  
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ag 782

<210> 6920  
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<213> Aspergillus nidulans  
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accacaggat gttgacaatg ggcattggagt ttagacagag caaaagacga ggtcagaagt 180  
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aggaaggggtt acaatgtcac ttataaaagc cctcaattgc tcaattcatt cttcagcccc 300  
cagccctttt ggaagaccta gtgtcaatgg ctctacgga aagtccatga cttgcgggca 360  
gaagtaagcc ttttcttcag cgctgtgagc ggatccaaat ggaaaacatc acccaaccag 420  
gaggtcctgc ttgctgcata tttcatattc tgaattgact ctacacagagg ggtactaaaa 480  
tgtagcgtgc aatttgaagt tgagggtcac actaaagccg gtattgtccg ccacatgggtg 540  
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tctttctaac tcagttttat 620

<210> 6921  
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<212> DNA  
<213> Aspergillus nidulans  
<400> 6921

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tcaccgcaaa agatgccctt gggaacacac caatccacta tgccatggat tacagactat 300  
gccacattgg tggcgagtac cgatttgacg ggcatgacca tagatacgaa gatgtcattc 360  
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agcaagagg 489

<210> 6922  
<211> 517  
<212> DNA  
<213> Aspergillus nidulans

<400> 6922  
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ctttatatcc gaacaggtct caacgtcgcc ggagccctc gactgaacgc ttgctaaatc 180  
cacgccagaa ccgcttatct gcccacaaatt atcacatcgg cgtttgctcc gaatcgctcc 240  
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ctgtttaaga ctcaaaggca caccgcatac ttgttagttg catttcgggt ggacggccgg 360  
agggcaatcg acagtctacg aggggtggagg tgtttcgagc ggtaacgtgg cctggctgga 420  
cattggaatc gtacgctgga aaacttcgtg ccgtcactac tgattttgtc tgacaattaa 480  
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<212> DNA  
<213> Aspergillus nidulans

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gaaaaagcgc ccaaacagta ctcagctagc tgaagcagcg atccacggtt agacagaacg 180  
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 aatgattcca tctggctctc cgcggtcccc tacaattgcc agatttaaag aaatggcgga 360  
 aaaatactgg ataacaatta tttttttatt taagggttta tttgcccccc tctctttagg 420  
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<210> 6924  
 <211> 518  
 <212> DNA  
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 tatatgaaga gcgaatttac cctttaggga tcttgtagt atcatctctc aatgcatgtg 180  
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 gttaatttcg tcggagagct tcttgagtt ctctgagttg gccagacgt cgccccagtc 420  
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 agaaaaggcc catccctatg aactgtggtg gcgagacg 518

<210> 6925  
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 <212> DNA  
 <213> Aspergillus nidulans

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 acctcgtctt agcgggagaa gaaacctcag ttactgaag aaatgagttt agatgaatgt 240  
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 acagattaaa tcaaaacctg tcaatactcc gagggacccc agaaactcca ctgagtacga 360  
 tgcaacgata cttactccg tccatgatga gagtcaagaa acaccgcgga aggatgagat 420  
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<210> 6926  
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 <212> DNA  
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 gtcgatcgga ctatacctcc tccgctagca acgatgacga gtgggaggac atggattcgg 180  
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 ccgctggtac tgctactgcc gtaatgactg gacgattggg ggcagcgtct tctgggtatc 420  
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 <213> Aspergillus nidulans

<400> 6927  
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atccacaaac tgggactttt cgtgggcaac aacgtatggg tcaagggggc actgggtgtc 180  
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 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6928

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 gcttggtggg aaagtggat tctgcttccg ttctgaagtt ggtgcgtgct tgtttatagc 240  
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tagttgtgga aatagcagtt ggttaccaga cctttacatc agttagcatg ccagttggtc 840  
aatgcaggaa gtttctgtct gtctctgtct agtccgaagc ccggattctt tggtgaggta 900  
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<213> Aspergillus nidulans

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ctggtgccaa tatccttcag accggcctcg atgattccgc cttctcgaac agggcattga 480  
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<210> 6930  
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<212> DNA  
<213> Aspergillus nidulans

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<210> 6931  
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<400> 6931

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gataggcttt gagggcgacg tgggtggacc ggctgtcact cacaaggaca atgatcatgc 180  
agcctgtggt gccaaatgcg cactgcacat ctggaacgag atcgtgctct gaccaaactt 240  
cgaggaggac gataaccgca atggccgctg acagtctcaa tgtgctgtca tccgacgccc 300  
ataccttgct gaagaactgc aacctgtgcc atctgggaca gtgggtacat atgcagatac 360  
aacacgaaga cattgtgtcc gacctacaga atggcaccta gagtgcttat gatcggacca 420  
tatatagcac cgcgtatgac ggtatgacaa cgacctggca gaaactgtgg ctctatcatg 480  
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<211> 509  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 6932

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ggggaatggg aaaactagaa ggccacactt ataactctaa accacgactg tgtaaacctg 180  
gactcactca actattacat cgaacataac cgcttgacaa acacaggtca gtgtacacca 240  
taacaagcgc gagaacatcc tcgacattgc taaagactat aagaatatct gtctgaccgc 300

tacgactcca acacataata cacactagcc agacgtcatc atgtattcca ccaaagaca 360  
 ctctgacca cgagaacttt gatggaaact attcgaaaca aaggtgcact ttcattcctgt 420  
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<210> 6933  
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 <213> Aspergillus nidulans

<400> 6933

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 tattttccaa cccggccatt cgctatatac tcttttagct gccaaaccag agccgagcga 180  
 cgcccaaagt catgcttgtt catcggcacg accacacttt cctctaaacc aaaacatcat 240  
 agcacgagac gtaaaggaga atattacctc aatacaccac cgacaccgc ccaaccaac 300  
 acaaaccac taagggcctc ccctagcacg ccacctcaa accacacatc cctccaggca 360  
 cccttcgca taccactccc tgcattctta acaatgccat ctttttgac cacaagacc 420  
 tcaatttcgc ctcccgcgc aggaaagtac ccacctgcgc ctttccccgc cgatcggtag 480  
 aggagcgca gatggaagag accagagact gtgatcgta cgaggagga gaaatgaag 540  
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 gagtgaagct gggtgaggac ctggaatcga ccttattagt tcagtttgac tttaatggca 660  
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 aggagggaga gtcactgttt tgttgaggc attttg 756

<210> 6934  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 6934

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<210> 6935  
<211> 539  
<212> DNA  
<213> Aspergillus nidulans

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tgtcggttgg tgagtcggtg aggggtgtgta tcgatgagtt ggatagatta attgttggac 180  
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gagccggctg tgaccagtt actggcagag acaatccccg aaacttgccc cgactagcca 420  
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<210> 6936  
<211> 811  
<212> DNA  
<213> Aspergillus nidulans

<400> 6936  
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cgagggcgca tagggcggt ccgaacgttt gacgagactg cgcccggtga ttttggcagt 240



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caggtaccg tattcttgcg ctggatcctg ctctggagga cccgcgagat ccgagatcca 660  
gccatggtac attgcgatag acgagcaccg cggacagggc atgcatgtag ccgaagattg 720  
gaagcgaggt tagattgaga ggcggtcag cccagatgaa ttggagaaac gaagcacaag 780  
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<210> 6937  
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<212> DNA  
<213> Aspergillus nidulans

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ggtgtacatg catcaagaac gggataaaat aacacaagac ccacaaaagt gccgggtggg 480  
aaagaattca ccgcaacaga cgccgaaga tttcctcctg cactaaacct tccaattaa 539

<210> 6938  
<211> 605  
<212> DNA  
<213> Aspergillus nidulans

<400> 6938

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<210> 6939  
 <211> 797  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6939

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 gcaataattc caacgctaaa atttggggag aagcaaagaa gcagatgccg aagagataac 300  
 gcttgccgtt tgttccatgg cgccgtcctc gctactgtat tccgtatatt ctgcagcaag 360  
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<210> 6940  
<211> 1640  
<212> DNA  
<213> Aspergillus nidulans  
<400> 6940

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ccaagcatcg caccgctcta gcagtcgata gtcaccacat ggctcgatgt tgggaactcg 180  
gatccggaga gattaattta attgactttg cagtagattt tgacagagat cgcgcaatct 240  
ggatcggcat agtttatacct gtccactctc ctgaacatcc cattctcacc gatgcgtcgg 300  
agtattctga gactcgagga ttcacatgaa agctgctcga attttggcag tcaacgtggc 360  
acaacagtca gtgcaggaga ctactacgac tagcccagga tccgcggcga cctggaggac 420  
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<210> 6941  
 <211> 691  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 6941

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 ggatgttggt attgtgccat ttttcgtctt gcgtgttgaa gaggttggac actcgttgac 180  
 cattcaagac aacgtcgttg gggcggtatc ttcgctctgc aattcagcaa attaaatgcc 240  
 tagtcttata catcacattc gatgatgaca gaaggtaacct tttccagggt gtttcttggt 300  
 gaatatatta cgcggatcat gctcgggtca gagatgctca acgcatttgg ccctatccgc 360  
 atcactgaac catacttgcg gtgcagcttg gtgtacgtgc gatcaatgtg gccatcgaag 420  
 gcctgccatg cagccatat atcggtaaac tttgcaggta gaggtccgtc aaagaccctc 480  
 aacgatgaga agaaggcatc ccagataagt ttggacagca gaaggaccgc aaacacaaca 540  
 gggatttgca tccacagggt ggcattggca ccggcaagaa gtactcctgt catgctgatg 600  
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<210> 6942  
 <211> 745  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6942

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ctgcgatacc ccgtatgaca ggcgtagacc ttcgtgaatg acagcagtca agtacggcag 180  
cctctccagg gcaaaccatt ggagattaag agcgtcggca tcctgcagct cacacctgag 240  
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agccgtttga ggaagggaaa cgtccgaaat acatggaccg gagccagagt ggctttcagc 660  
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<210> 6943

<211> 493

<212> DNA

<213> *Aspergillus nidulans*

<400> 6943

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caccagcat ctttaacaca gaggaagat gcaagagcga gaggccgacc gagtaactac 420  
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cagtgccaga tga 493

<210> 6944  
 <211> 473  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6944

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 gaattcacca ttccaaaatc cagaaacgaa tcatttaaca tgtcatcatt atcgagactg 180  
 ggtatctgtg ctttggaagc ggaaacagaa gcagactctt gcatcatgat atcggggtcg 240  
 aggcaccccg acacaggtac agactgagga agcattgaga actcggttgg ttctaacgta 300  
 tatggttcga tattcatacc ggggagctgg tgttggctt gaccagctgt gtatgaacct 360  
 gtacctgcac ctgaagtttc ggcaggcgta gggggatacg caccattctc aagtcttgat 420  
 tatatgtgtg ctctcgttgt caactcaaga ccgtagatcc aaagacatca cta 473

<210> 6945  
 <211> 909  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6945

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 ccacttgggc ccccatgatg agtcgcgagg atccgccgat ttggcttgag ggagacctcg 360  
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 ctaccattgt agctatatgt actctactgg atatcaatga attgcagcga gtttcacgtc 600  
 ccgattggct tgtgctcagt ggaaactgtg cgatctatct cagctttcac tcaaccctca 660

acccaccaga atacaataag aggagagcct ggcgaaacag gagtaggaga taacttatat 720  
 cagccattgc aaattactgc ctatttgact ggacgtaggt gattgatgct gactgatcaa 780  
 ccacgtgccg aggagcctcg gccagataa gacaaccagg tcggtcggcc tctccagccc 840  
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<210> 6946  
 <211> 569  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 catcttttgc cctcgcgcaa gaacatttcc cgccccgtcc ttggtccgat caaaccagcc 180  
 gcgacgatct gccgcctcgg gacccccacag gggatgatcc agaagcgcct gcacgtactc 240  
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 gacgggaagt gtggatggcg gatttggcat cggttcgtga agaagccgga ggaccgagac 420  
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<210> 6947  
 <211> 647  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6947  
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 cattgatcgc atacgctcat tgcataatat aaatccatcg ttgactgtga actgcccgtc 180  
 ctaacgatct agaatatgct gagcgtggat gcctccattg gagtctgacg ttaaaatccc 240

tgcaaacaca cttgcctggg atgaatgata aatgggtggat ggcatttcat tggagtgcgg 300  
 gacacatcta agtgagggttg tgcactctat ttgattacta tctgtctaca atcgactgac 360  
 cactctgcac ataaagttac tgatggttat tacctgaact taatatgaca tctagctcct 420  
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 ttacaggtgg gcaagcacat acaccacctt acgtgggtcta tgtcgatgat agctggccct 540  
 gtgttacaca aaaatatgtt gagcgcacaa cctaaggatt gcttattccg aaccacaata 600  
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<210> 6948  
 <211> 1022  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6948

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 tcagtcaaag gtctagcaaa gaaacagtct attctaaaca atgcaaagaa ataacgcctt 180  
 gccttatcac atcacgcta actcaatgtc attgctctga tgaagatccg actgtcgtct 240  
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 tatgcataaa atacagaata accagaaacc tttggatatt cgtaccccg atggcgcgtt 360  
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 acaagagtca attgcggtag tgagggatgt ttcagacgta cactgacgaa gctcggcggc 480  
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 accgccacct caagctagaa gggtcgactt ggtcagtcga tggtgaaatc agaagcctcg 660  
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 tctcgatcat gggtgggacg gcgctgtgcg ttgacaaagg agtttatttc ctttagcctg 840  
 gctagaatth ggtgtaccac tttcagtttc ggcttcagag gtagcaatth ctctcgctga 900  
 cgtgatagtc tgacaagcca atcgagcgt gtatggttct tctcatccgt gaacctcgcc 960



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gc 1022

<210> 6949  
<211> 566  
<212> DNA  
<213> Aspergillus nidulans

<400> 6949

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agagcgctca acggatcctt ttgctctccc ttgggtctcgt ggatcttcca gaagcgtgtg 180  
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tcttgccacc gacgcaaagt ttactcgcac agattcgaac gcgccctttt ggtatcttcc 480  
gcccgttggt tcgccgtcac ttcaagagag agagttgacg tacaggatat gcgtataagt 540  
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<210> 6950  
<211> 551  
<212> DNA  
<213> Aspergillus nidulans

<400> 6950

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cagtgcgcgc atcgcccgcg ccccttctct ctggaactgc ccgactagtc ttgcgattc 180  
tcgtttgagc ctttcttctc cattctttgc attccatagg atccattctt ccaccgtcat 240  
cttcttttct gggcttgcga gatccccctt cagggtgtcc aatgcacctt ggagatcgac 300  
attctccttg tcgctagcac cagccatcag gatttcatca atatcaatgg gaaccagggg 360  
atgattgggt cgaagtttgc ccgtagaagt atgatttcgc ttgggggaag gagtactcgt 420

cgtcagagga aatcgaacag aggcattttt ggagggagac gacagcggcc ggtgcgctgg 480  
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<210> 6951  
<211> 581  
<212> DNA  
<213> Aspergillus nidulans

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ttatacaaaa agaataatcct agcatgatgt atcaaccgtg gggaatatca tgcggtgtgc 180  
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gcgccataac ctgcgctgc gcatattatg gaagagtggg accccccgtc ctgcccttaa 300  
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<212> DNA  
<213> Aspergillus nidulans

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cacggcatag aaacgttcct acccccaca tggctgcggg gaggagctgc aggagtgtcg 180  
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caactctatc gtgacaccgg gtcccatgcc acatatgacc cggctgggat acagaccctc 420  
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cgcaccgatc aaattttcct gacccatcat tccttgggac cggctgaaaa ttccgcctt 540  
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<210> 6953  
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<212> DNA  
<213> Aspergillus nidulans

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gaacagaagg attttttgaa gcagactggc gtccagccgc aaaatgctga acttcccgcc 180  
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ccccgcgttc tcgacgctat gcttccgtac ctaccggta tctacggcaa cccgcattca 360  
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<210> 6954  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6954

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gagcttccat gtcttctgga tatttgacta ccggtttata gtggctacct atatttatat 720  
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<210> 6955  
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<212> DNA  
<213> Aspergillus nidulans  
<400> 6955

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<210> 6956  
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<212> DNA  
<213> Aspergillus nidulans

<400> 6956  
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ctcagagaca ccgatgctct ggaagatcgt cgggctgtag tagttaattg cgtaaatgcc 180  
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<210> 6957  
<211> 751  
<212> DNA  
<213> Aspergillus nidulans

<400> 6957  
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 tgttatgagt tgtgtacact aatatgtagg tatctgcttc attttgtttt tccagatatg 660  
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<210> 6958  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 6958

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cgcgcccgtc cagtcccagg atacaggcac caagcgcaca agttggtttt ttgatagacg 780  
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<210> 6959  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6959

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 atattgaaat atgtcatttg aacgtactac aaacctcaa cctgttcatg aggccattta 240  
 gacaacttaa attcagttgc agggtcagcg gacggacaaa agctcccgac agccgagtgc 300  
 caaacgatt gctcgacaaa agtacggtgc aggcacagcc ttgggctatt tttgtgtctc 360  
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<210> 6960  
 <211> 525  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 6960

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 cattgaaaat gacactatca attgacagtg tcagttgata tgacactgtc atatcaacca 360  
 agatgaaaag aatcaggatt tagagatctt agaaacatgg gcaagacatt tcaattcaca 420  
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agaaaaagaa cataaaaatg cccaaatggt ctatcattgt tggga 525

<210> 6961  
 <211> 879  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6961

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<210> 6962  
 <211> 471  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6962

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 gccatggccg aaggcagtga agtgggtgga ttagaagtat taggagggga gtaagatagc 360  
 agtggcagga gaagatcccc cttattgaat ctgacaggat ttaagcactg aaagttgtca 420  
 aggaatatga aaagaaaaaa gagaggtaga ctaggacgag agcactctta t 471

<210> 6963  
 <211> 565  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6963

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 taatatcatc agcaagtaat cagcacttta gctgtcaatg tgacttacat atatacctat 180  
 gtggatagat agacgcagtt gtgagcaaac gggagtgttg agtatcattt atttctatct 240  
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 cgtgcccata tgggtagttc gggaatggac cagatgcctc tctaagccga ttttctgctt 360  
 tggccacaat aatatgtttt tccaccgtgg ttggtaggac tgcagttcga caaggagctc 420  
 tagcacgagt gctgagcctg aattctgggc ccaccatagc cggccatcaa gctcgtggat 480  
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<210> 6964  
 <211> 494  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6964

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 gtactgtagt cgtatgctat caggaaatag atagctgtgt tcaagctcct aacatcacga 180  
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 aaactccga gatcaggaca gcacttaggt cagcaatgga catctaaacc aaccaaaggt 420  
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 <211> 763  
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 <213> *Aspergillus nidulans*

<400> 6965

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 cagaatcagc tacctccgt cagatattct ctagataccc tgccatttca ggtgtttac 480  
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<210> 6966  
 <211> 644  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
 <400> 6966

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tacggcaaaa agccacgcgc tcgaactggc gacgcaaggg gcaatctcct cgatttccac 180  
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<210> 6967  
<211> 1028  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 6967

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<210> 6968  
<211> 511  
<212> DNA  
<213> Aspergillus nidulans

<400> 6968  
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<210> 6969  
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<212> DNA  
<213> Aspergillus nidulans

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<210> 6970  
<211> 666  
<212> DNA  
<213> Aspergillus nidulans

<400> 6970  
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<210> 6971  
<211> 579  
<212> DNA  
<213> Aspergillus nidulans

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<210> 6972  
 <211> 709  
 <212> DNA  
 <213> Aspergillus nidulans

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<210> 6973  
 <211> 598

<212> DNA  
<213> Aspergillus nidulans

<400> 6973

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<210> 6974  
<211> 572  
<212> DNA  
<213> Aspergillus nidulans

<400> 6974

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<210> 6975  
 <211> 1073  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6975

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<210> 6976  
 <211> 839  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
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<210> 6977

<211> 646

<212> DNA

<213> *Aspergillus nidulans*

<400> 6977

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646

<210> 6978

<211> 533

<212> DNA

<213> Aspergillus nidulans

<400> 6978

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<210> 6979

<211> 306

<212> DNA

<213> Aspergillus nidulans

<400> 6979

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cacgatggac ctcccatcag acaaccatgc tgggatggtg gagacactcc acaaaccgcc 240  
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<210> 6980

<211> 721

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations  
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<210> 6981  
<211> 553  
<212> DNA  
<213> *Aspergillus nidulans*  
<400> 6981

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553

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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
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<210> 6983  
<211> 536  
<212> DNA  
<213> Aspergillus nidulans

<400> 6983

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 <211> 574  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 <211> 626  
 <212> DNA  
 <213> *Aspergillus nidulans*

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actctgctct	tgccaaacac	acaaactcca	acgcttaggc	cgttgtaact	gcaatgccac	540
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<210> 6986  
 <211> 610  
 <212> DNA  
 <213> Aspergillus nidulans

<400>	6986	
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cggaatgca	ccgatcatcc	aactctcgaa gatcctgacg gatttgttta gattcccccg 180
tcacgatgca	ccaggtgaag	cggaagcgga gtgctcaagg ttgcagatgg ccggagtcgt 240
ggatgcggtc	atgagcaacg	atgtggatgc actgatgttt ggatcgggat ttactgtcat 300
gaacttctcg	aaagaagctg	ggagcgggtgc tgggtggcgca acacacgtta cctcttatag 360
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catgctcagt	gggggcgact	atctaccgtc ggggtgtccc aaatgcggca gtaaactagc 480
ggcagagatc	gcaacggcgg	gattcgggaa agacctttta gaggcactgg aagcagacgg 540
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gaacgagagc		610

<210> 6987  
 <211> 725  
 <212> DNA

<213> Aspergillus nidulans

<400> 6987

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agaatggcat ttggagtaca gtggatgcag accgtaactt agggctgaac tcgaagaagt 180  
gattgactcg caaacagcct ggattcggct actgcttttt ctgaaaatta tgtttttcct 240  
agattattga ttcattccatt tccttaaaaa aaaatacgcc aagtatgttt ttaagttatt 300  
atataaattc ttaatatatta tatagttacc taaggatttc ctcgagttta tgaacaccag 360  
aggctatagg aagccttgac tttttaaaaca tatttgagtg ataactacat cccaaaacaa 420  
gatactacac ggttatgttt ctctctagct ttcagagttg atactggtct agtggcgcca 480  
agatccaaca actaggacat ctataatgtt ggacaagatc acgtagatgt tagtgggcgt 540  
atctgggatt tgaagaagca gatgtataga gaaaaggagt actatataac cgatagcctc 600  
cgtttgagcgt agcagttgct tatatcacag gctggcgcaac aggcggcaac taaaatggta 660  
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tgagt 725

<210> 6988

<211> 825

<212> DNA

<213> Aspergillus nidulans

<400> 6988

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actattatag tctctgtggc atccacgtcc tcaatccatt cctgctccga cgacaggaag 180  
aagacgtcta ccgcaggggt ttcacgcctc ctgaatctga ccagcaacac tctcagaacg 240  
acctctttcg cgcctttatg ttgctcgcta tcggagcgat ccatcccttt cgccaggggt 300  
cacaccaggg ccatccctac gggacttcc tgtctgccat gcagcatttc cagtccgaca 360  
gtctctccca cggaatccag tcgatccagg acctgcttct tattggccgc ttcggcattt 420  
accatcacat tggcacctca atctgggaga tcaccagct gtgcatgcgt ctctgcattg 480



agctgggcct tcacagaccg ccaaccagcc gcaaaccgat cctgcaagag cagctcgagc 540  
gacgcgtggt ttgggagtg c tacatcatcg atcgatacag ctccatcact ctcgatcggc 600  
cgctggcatc gcggatagag atattcacgt tttgctgcct gttgatgcaa atgatgacca 660  
gctcgaggct gcggaagggt ctatcaccca tctcgacctc ttccagctga ctctcaggc 720  
caggataggg aatacagagc tagcgggtttt cttcacgtca atacgccatc ggcagattac 780  
ctccaagatt cacaacctgt ttcagtctga gggcactcgg atggt 825

<210> 6989  
<211> 1177  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 6989

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cctacgggtct ccgttactct agtagacaca taagacatac tgtcaagcga atcgtaagcg 180  
gatgacgtga cgtatgcgct aatggccgtg ttcactacct tcaagctgag aggggtgtttg 240  
gctctcattt tttcttcttg gggatgctc atatgcgtcc tcttcctttg gaaactgatc 300  
tgatgtggcc atgacgttgc gatgagggag gcaaggacgg aacactgaga aggaggggag 360  
aatctaacgg tgactgggtg gatggatgcc gttggccgtc tgtatagttg tcgaatagtt 420  
ccgagcagga ttctgcgagg ctctgctggt gcataatacg aatacagtgc cccgtcagga 480  
catagtgtcg ctgttcttaa ttgtcgagag tcaaaaaaaaa aaagaggaaa gagggaaaatt 540  
ggggggttgag agctgcttcc agtgatgtga caacctacat attacggaga agcgccctgg 600  
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ggaattcccc tcttagtgct tgaactacca gccaggaga ggagacgaca tcggtctcag 720  
cgaacactac ccgcctagtt gcaatggtga atatgaacag tatagtgtcg gaggacgggt 780  
gttatctccg tttcggtttc tgtgcataag ccgcatatt cctccgtac gtacagagta 840  
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agaacgtgca tgagatagat gagccagggc aagggcattg atcccttggc tctggtcaca 960  
tacgtcagaa gtcagagtca ggacctatgt cagcgcgcgg ttcgccagcc acttgcacca 1020

tgttgacacc agagcttgag atttcagctc cgttactgag ctgcagaatg ccatcatang 1080  
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<210> 6990  
 <211> 915  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6990

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 acctctcaca aagatccaac ggcttccacg aagtgacaaa gaccaaattc cgcattatcc 180  
 tggaatgctc cgcggtcgac ggattagtcg agttcaaccg tcgagttcct atttgaaga 240  
 gctagcggtc ctcaagtgtc tgcggactgc taaaatgtgt tacaagagta gtatttacgc 300  
 gtcttcagtt cgttgtaggt acgaatggtc cattgagata gtggataagt aatctcggcc 360  
 cagatagcca attctcggct taatcggcgt gctatgccat cgccagttgc aatcggaat 420  
 cggcacggtt ctgcgctgcc gtcggagcca tatcaaagcc aaccacggga ttggtaccag 480  
 caatggcgtg cgagtaccgt ggtagagcga aatctgtctg gaacgcagtc atcgcaatct 540  
 gaaagaactt tcccggagcc agagttgggc gttttctggg tgatcagatt tttccagaaa 600  
 aattcgaaga cttgtccctg tccgtgccga gcctggctcc tgtccctgct gtccctgaaa 660  
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 ttgtcggatt ttgttcgctg tcggcttcat gcctgcaagg agtgcagtga cgtttcttgc 780  
 ctttaaccac caagaccatc aagtttacga ttggaccagc cgtatagtag gccgtataag 840  
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 ttcaacaaat aattg 915

<210> 6991  
 <211> 636  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 6991

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 gcaacaccaa tggatgatgg tcaaatatcg tcgtcaaccc ctaagcaggg gaagttcgac 180  
 gccttcaggg caaattgtca gctcgcaacc atcaaaggcc aactctataa agatctatac 240  
 tctgctgcag cgaaggatag accgttgtgc gaaataatgg cttcaattgg gactttggat 300  
 agaatgcttc gaagctggag agaagacctg cctccagaat atcgaccaga attacacggc 360  
 ttgctcagtg tgtcccagtc atcaatctcg gtgacgctac tctacctgca ctattcctat 420  
 ttttaattgtc ttattgcaat gcaccgattg atcgcgagcc gagggcttcg aacatctgaa 480  
 gatctactca ggaaatacga agaactctgc agctcggctc cccacccta cacttcaaga 540  
 gtttttgaag ccgaaactct atgcgccaaa gctgcgcggg cctcaatcag gctgctaaaa 600  
 tatatgccag aagggcataat atcctttgac gggtag 636

<210> 6992  
 <211> 906  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 6992

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 tgaggacaag agactccgc actttttgca aggacgtggc ggagagaagt tcgtcgagag 120  
 ggaaatcacg catcagttgg ttgtacttct gcactagatc cgctcgcttca cgcagtccag 180  
 tgtctcgac aaaactgagg gtggcttgat aacgctttgc atggcgtaga atgtccatgg 240  
 tcaactggac accgtctcca cgtagctggg tctcaattcc ctccagcgca gtttccatgg 300  
 ataaccagaa gttgatttcc tgcgctgccg acccactatc cgcacgcggg acatttttgt 360  
 aatggtttga atagacttga tccaagcgtt cacattgttt tgaatgctgt taatgaacgc 420  
 actgctctcg agaagagtag aatcaataag atccaccgaa ggcttgacgc ctcgcttttc 480  
 tgcttcgacc agagctgcct ggacaacttc atgcaggggc aaattcaagg cagggatctc 540  
 gacgttctgc tggaggtgta ggagtccgag ttccagctcc gcgaatttct tcttagtgcc 600  
 tggaactcca gttttgacct ccgagtcctt ctttgctttc gctgcacat cttgattgag 660

ggtgttggct tcaaagtacg ggctaagacc atggtgcacc agcaaata gta cgatctcgta 720  
 gggcgacagc gaagttcctt gctgcgcctg ggtgttgttg agggcggccg gaccgggaag 780  
 attcataacc tgaatctgcg acgatatggg aagcgataga tcgatcgcn g cggccgctt 840  
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 aacata 906

<210> 6993  
 <211> 696  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6993

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 gatccggccg ggttctttgc gacgttgca c atcgttgta tataggtcga tctccgaatc 180  
 cattgcagtc agcgtgggtc tgaaactaaa tcgcgagtac cgaaatctcc cgtagaaact 240  
 gtagtttgtg actcgggtcta tttcttatgg tctcgccccg ttgatctgtc gaactgtcga 300  
 ttcttactcc aaggagaatt gaccgaatgg aatctcgga tggaatgacg ggcggtttac 360  
 accaaagcac cttctctaag ctagaatcag cggcgggtcaa gattccttgg ctagggtcaa 420  
 ctacatgcct ttcgtagatg gacaaataga tgctccatct ttctagagtt tttatagagc 480  
 tgcgatccat gaaattaaag gtatgcgagg gtctgcgccc aatgcagaaa catgcacatt 540  
 acaaggacgc gtctggtgtg tcgtaaacia ctcaaggaca gtttaaaatt ttcagggtgc 600  
 aagagaatag taacgacatt ctcaaaactt gttgaagcat tagatctcca tagcttgccg 660  
 gctcgatgta aaggagata gtggtggtgt gcggca 696

<210> 6994  
 <211> 495  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 6994

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aactctacca tacttaatga cagcgaaccg cgtgcccacc tcaccattcg gaccgtcacc 180  
 gtgccaagca atcgcagcgg tctaataccg acccggcacg ccaccctaac aaaactacgc 240  
 cgctttccct taacaaaccc ttcaccagca tccagcgccc tgctgtctc tgcgagatgt 300  
 tccgcgtccg gctcaaaata ccacgttcc ttcaggacgg aagtggaatg ctccccagcg 360  
 gaaaaccggc cctggtgggg gagaggttag acaaaagaaa gcgaacccca catcaggata 420  
 gagctgtgat gtgagttgag ggagcagatc caggctcatt gcgcaagatc cccctgtggg 480  
 gagagctgtg gtcaa 495

<210> 6995  
 <211> 781  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 6995

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 agccttatct atcgacatcg cagaaacacc tctagctggg caatctaacc tgctgaggtg 120  
 ctggcaagat ctatcatccc ctggcaagaa atggctcacc ttccttgccct gcttacagcc 180  
 caaatcatac tacaggggaa gctgaggttg aagtagctac aaatcttacc taagagagct 240  
 cttgggtcat cttaaaatgg tataccatct tgcacaacat tcattagggc caaggaggct 300  
 ggttgtcctt gattccctat tttgtctctg tttttaccgt ataactcctg atgcgaaggt 360  
 agaagtatat gctatattat gatatttgtc gaaccgagtg tccaaaaagt gcggcggttg 420  
 gaaatgtatc agagtttaag aagaatacca gcgtcttcca tactacatat cttgcttttg 480  
 gcatgaatga gctatagacc atcctatagc acttgatgta ttgtgttttg cctggtacct 540  
 ggctttacgc acatggtggg acagctcaca tgcataatgac caccgccac cggacttgca 600  
 ctaagcaacc catcctccag aaaccatcgt cgctgctttt ctctcttcaa cgtacaaaag 660  
 cctcattcat tcatatacgc acgttccact tcaactgttac taccgncacc atggccacta 720  
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<210> 6996  
 <211> 300

<212> DNA  
<213> Aspergillus nidulans

<400> 6996

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acttccaat cccaattcc atttaciaat ccttatgatt actggactcc ttctgcccct 180  
cgctaacacc tatgaatttg aatggataat aaatgatcgt gacggagatc atgttcctga 240  
gcaagtccaa tttttcatgc acagccagat catatatttc ctagcaatta atgcttttcc 300

<210> 6997  
<211> 670  
<212> DNA  
<213> Aspergillus nidulans

<400> 6997

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ccattggtca ctctggctgc ctccagggat gatgagattc tgtagatcaa tccagggtctc 180  
gccaatcaga tcgggtcgtt tatcatcatt gaagaccgac agtttcattc ggaaatagtc 240  
cggcgattcg tgcacggtga agcggagttc ctgggtcccta taaaaagtta gccgaggcag 300  
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cgtccactga catgtcggcg aagatgccgg cagcatgatt gataccgac attcggagag 540  
ccatgatgga tgttctgaga aaagaaaaca gactcgagag acggctacca catctgtcaa 600  
aaggtcgacg gtagaaggta aagagctggc cagacgcgga cgcaaggcgg gtatctaggt 660  
aaggagtgca 670

<210> 6998  
<211> 600  
<212> DNA  
<213> Aspergillus nidulans

<400> 6998

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 acgcaggtcg ctctctctat tcaacatgtg acagcgctac ataccgcacc ggtgcacgac 180  
 agcggtttca cctcccaggc gaaagtagag ctgctacacg acacgcgcca ggcttttggg 240  
 aggtcaacgt tgttgctcca aggaggttct atttttggcc tctgccatct cggcgtcgtc 300  
 agggccctcc atctgcaggg tttgttacct cggattatca cgggcacggc aacgggggca 360  
 cttattgcgg ccctggtcgg cgtccataat gaggaggagc tgctagatat tctagatggc 420  
 gaccagattg atctttctgc ttttgatcgc cagcgggatg gagctctgtc ctcgtccggg 480  
 cttgggcgct tgctgcttcc atcaagcctc gcaaacggcg gacttatgac tttgcttcga 540  
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<210> 6999

<211> 1114

<212> DNA

<213> *Aspergillus nidulans*

<400> 6999

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 gcctaataac ctgtttcacc ctgataaaat ccatcttgga tgagagtgat tctgaggagt 180  
 catcaaagtc aatactacca cggctctgac gacttcacgc ccaagcattg gtgcaaactg 240  
 tgttcgagct tgcagggacg accaggtgcg gtgtggagcg agaccgtatc ttctcacggc 300  
 acgcggaagg tgagaggag aatggaaatt gattccccag ccaagcgaac ccggtcttta 360  
 gccacccttt ctctgagact acctggttct ctgtgacgct ggacactggg ataccttttt 420  
 cgaggtcttc gtctttggag ctagcgcggg agctggaggt gtagtcaatc gagttttttc 480  
 gtgcatagtg gtagaggtcg cttctgtctg attagtatgt agtcggcgag taaaatttgg 540  
 ataaacagtg gcttactgtg ctttgccctt cccaggtatc aggtgtgctc ggcttcacgc 600  
 agatcccgaa gtatggggga aactcccaga tgttttgttt tccatagggc taaagcagca 660  
 atccagacca aacggtcgga ggaacgagcg gtacatccgc gatgcatctc gacctgtgcc 720  
 aaaaaaggca aatgcggtgt atgctgatgc aacagggatc caacggtcaa aatacaccgc 780

gccgccagtt ggaattctct ctatcactcg ccaagaggac cccggaccat gaagtagtga 840  
 ccaggagaat ggatgccacg gcatgctgag cttgacttgc acgtagacca tatatgcctg 900  
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 cctgctgagt ccggagttag cggcgcgag gacctcgttg aactggcttc ggtatcgtct 1020  
 gagacgaaat agaaggagcc ctaaattctt agacatattc tctggcaagg catagaagac 1080  
 gtaccgcaat atagctcgca atgacgcata ccac 1114

<210> 7000  
 <211> 819  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7000  
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 cgtcatcgta gctatattta taccctttcc acttagcaga ttctagcaag attgaacttg 120  
 tggaatgctt gaaacatcaa cacgagacct aggccatcgt catgatttg cagtctgacc 180  
 tctcctcaat gtatgctttt tgaacggcgt cgatttgtac aagggtgcct gcagggtctg 240  
 tccttgctgc catccgaccg acaccctgtc gccgggcaa taagaccatc tcgagcatag 300  
 gaaacaagca ggtacctcgc ggagtagcgg ggttctgtgt ccgaagggtc aagcatggcc 360  
 tgtccggtga gtcgtcactt gactcgaacc cgagctttgg aagccactgt aggacgaaca 420  
 tccccatccc ccgacgggat cctctccac accacatcag cctcttcagc ggtggtaagg 480  
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 ccttgaggagg cagcttcaca tgatgggaat gtggatgagt tcgtctatct acctatttac 600  
 tggacgtcgc aggctgtcga tggggccgac atcatgggaa cgcattgatc tgggggttgc 660  
 gtgccagttt actcttggtt tgggtatgac catgggtagt attgacatcg atcatcttgg 720  
 gacaatcagg ctatagtcag tgattgtaag catatttaaa tggacggcct tgcgcactgg 780  
 tcaaagtctt ggttgaagaa tgcaacgaat ccagagcc 819

<210> 7001  
 <211> 536  
 <212> DNA  
 <213> Aspergillus nidulans



<400> 7001

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gacgattttg aatccagtca ttattcaact gctcttccgc ctgcgagcgg atgttgtagt 180  
ccggggtgct cagtgcgcgt agcaactgac agagggcggt atgaacttcg gggggcagca 240  
aagacatctc gcccgctcaa cctcaactgc cgaaccaaga cgaaaagcag aacgacagat 300  
cgcgcttccg gacaaatctc agaacgcgag ccgagatgta taccagata gtcggatagt 360  
agtgagttgg tagtctcgtc aagatgatat tttttcttaa ataaaggaaa ttgtttccct 420  
gggggaggcg gtgggaggtg gatctaccga gtgtagctgg actacctaata ggaggggcgt 480  
cgagtcctag agccttcacg acccatcgaa atgaatcaac atcacgccct taggga 536

<210> 7002

<211> 612

<212> DNA

<213> Aspergillus nidulans

<400> 7002

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<210> 7003

<211> 524

<212> DNA  
 <213> Aspergillus nidulans  
 <400> 7003

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 aatgctggac tcccatcgtc ccttgccggt gggttaacatc cagcccgttt tctgcgcgga 240  
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 cctgaaagcc gagcttcccg ttccaagtca tgttctggat cgagagcagt gtgccgttcg 360  
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 cttgcggaag gacgtgctcg atcggattgg ccgagatgtc gccttccgac taggggccag 480  
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<210> 7004  
 <211> 754  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 7004

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 acacaccgag tgagcactga tctcgtctc tagcaattgc gtcgtcacgg tcgccagtca 660  
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754

<210> 7005  
<211> 519  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 7005

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gcgggggctac ttttgggtca ctgtaatatg gaatagagaa cgaatttata atacacttaa 180  
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<210> 7006  
<211> 455  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 7006

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tataccaagg agaacatata atattttatc gacagtctcg catgtttgag tagtggtcgg 180  
attctcacag accaccgcgt cggtccttct tgtcgggtca acccgtcca aaactagctc 240  
caccacggg ttcaccatcc cattttgcgt ctggaacgtg cggatgttct ctccggacga 300  
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gatgtagtca gagccccgnt ggccgtttgc gctacggatg gagacacaat cctcaacgat 420  
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<210> 7007  
 <211> 627  
 <212> DNA  
 <213> *Aspergillus nidulans*  
  
 <223> unsure at all n locations  
 <400> 7007

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caaacctata ccacttgat tccacaacaa ccacaacatg ctagacatct aatctatctt 240
acacaacaga tgagaatatc actagatgcg ctgtaactag atgaactaac tactctatat 300
agcgcgctgt cctacaaaat aacctagcag ccacctcct gtatgcaaga tatttgccaa 360
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tctggaataa tgcacattgc tccaggc 627
  
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<210> 7008  
 <211> 797  
 <212> DNA  
 <213> *Aspergillus nidulans*  
  
 <400> 7008

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gattgcatgt attgaaatca gacaaggcgc gaggccgata tatattatca ggacgtaa 360
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tcgaccgtat atgtgggtag tagatgataa caagaaaaag gaaaatgaaa aagatagaga 480  
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 gttcaccaat ctcagggtaa cgtattagag aatgtattcc ggaattatat aaaagcaaag 660  
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<210> 7009  
 <211> 513  
 <212> DNA  
 <213> Aspergillus nidulans

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 accaattgga tctctcgag ccgatgctga aaggattcaa ccgacttctt tcgacaggga 420  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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tcggtttgca tatacgtttc atgtcatcga gggcgccgag ggatgggagt atgatagtag 240  
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caagccatat agaacatcta gggcataatg ttaagcacgc agcatatcca acatcccctt 480  
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cattgctacc tccacactca gtccaaccag tctcggtcc gtgatgttct tgtacacca 660  
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ctggtcgaga gcagtagcgt agcggncctt gcgcagatca agttcccacc ctttctcctt 840  
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<210> 7011  
<211> 614  
<212> DNA  
<213> Aspergillus nidulans  
<400> 7011

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ttctgacccc ccagaacgcg tcatgagggg tctctgcgcy caccgtgtct atgaggcaac 180  
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agcgagcact acttcgactg gctgaagaaa catcctgagc cacagcacgc tttcaacgtg 480  
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agagacgctg accagtcctg acccggatcg agtgttggtt gttgatattc gcgcgggcgt 600

tgccatactc ttaa

614

<210> 7012  
<211> 581  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 7012

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gattcggact ccgtcgtga ggctggaaca aacgccgccg ttgcatcgat cccaaacacc 480  
gtcgtgaacc gtggggtggt gatttgctg gtctggcccc cgcgtttgat agaatactgg 540  
accctgtaaa agggagctcg cgacgcagga actgaaacag g 581

<210> 7013  
<211> 265  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 7013

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cggcctatca gctctatcac aggcacaact cctttctacc accttctagt tctaccctcc 180  
cctacaagcg acataaaccc atccgaaatt cgcaaaacat tgacctcttc agctgacttg 240  
tacgcagcca acgacgtcac aatac 265

<210> 7014  
<211> 585  
<212> DNA  
<213> Aspergillus nidulans

<400> 7014

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agatcgacca tctcatctaa tgttttaaaa ttaccgtttc aaattcctcc aatcacaact 180  
aacaacttgc atcctaccgc cttcaacata cttccctcta cgccttttgc ctctcaaaaa 240  
aacagagcac aattaatgcc ctatcaaagt ccatcaaact ttacagctaa catagcataa 300  
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gcctctacta aatcacgaaa ccccttattt gattcaccaa ccctaaagaa caatgctact 420  
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<210> 7015

<211> 763

<212> DNA

<213> Aspergillus nidulans

<400> 7015

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763

<210> 7016

<211> 858

<212> DNA

<213> *Aspergillus nidulans*

<400> 7016

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<210> 7017

<211> 480

<212> DNA

<213> *Aspergillus nidulans*

<400> 7017

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gccagatcga tctgtccgac tacatgcagg atgaatacaa gcgcgtcctt ttcatatcca 180

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caaatcgagg aacaacatac tgatcatgtga gacctgacct gctgaacaca ccggttgaga 420  
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<210> 7018  
<211> 404  
<212> DNA  
<213> Aspergillus nidulans

<400> 7018

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ttgtggtaag ccaaagagtc gacattgact gggatgcatg catatcgttg cgcggaatgg 180  
gcgactctgt tgacggaagt atccggggct aggacgaatg cgagaagctt ggattacttt 240  
caactgacca ggcttgagac aaatagatca cctggatgct gcaccgtaga ctgggctaca 300  
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<210> 7019  
<211> 331  
<212> DNA  
<213> Aspergillus nidulans

<400> 7019

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gcccgcgaca ccaacgggga ggacccatcc actggcgatg caccagccat ggggtgcagtg 180  
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<210> 7020  
 <211> 612  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7020

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 gcgatgacgt actgcacggc acggattgac aggccaacag ggttgaggaa cccactgcaa 180  
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 gatagtcaac aagacctact cgaacagcgt tgacggcggt gaatcaacc cggccgacag 360  
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 aatgctaaag gagctcgtgg aacacaggac gaagccattg ggtggatact ttgggccgcc 540  
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<210> 7021  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7021

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 aaagagttat cttctgtaaa aaacatataa atttattgaa taactaataa ctaaaaatat 240  
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<210> 7022  
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<212> DNA  
 <213> Aspergillus nidulans  
 <400> 7022

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 tccaggaaac aacccttcac agtgaagcag ttggaattat ttgagggtcc aagggttaaca 600  
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 <213> Aspergillus nidulans  
 <400> 7023

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 gtgtagtgtg atacatagtg ctactacagg agacttcacg agatagagca cctggggttg 180  
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 aataacagtg acatgctggt atgcaccagt ggtgaccga acttaaataga agaaccagcc 300  
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 aaaaaagacc agcctatact tgggtgtgcac gacgcacaga gctcaggatg ccacttacca 420  
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 <213> Aspergillus nidulans  
 <400> 7026

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 <213> *Aspergillus nidulans*

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 cgcccggtca atggatagaa gaagccctct gagagaacct tatataggtc ttactctgtg 300  
 gacttctgac ggtgcgcctc gcgctgctgg cgccttttct cgacttccat acgggaggag 360  
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 gccgggagtc ccattgcttt cgcgtcatcc gtcccgactc cagccacctc tctggcgctg 600  
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<210> 7028  
 <211> 989

<212> DNA  
 <213> Aspergillus nidulans  
 <400> 7028

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accttcaga aagcccgggt ggtagttcta tgaattcaag aatatctcta cttatcctgg 960
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 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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caagaccgcc cgcacgggag aaggccgagg ccccggnacg cagcgacacc acagcgcccc 180

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ggaganncn naaagaccgc cccgncncga ggggcncaac aaannngaaa aacagcgnga 240  
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 cccaccacg cccgaacnga cccacgacc aaccccccaa agacaacaga cagcgcacag 480  
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 <212> DNA  
 <213> Aspergillus nidulans

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 atccgtcacg caataagcgg taccaggagc gggaattatc ttggctgaa ttatcctggt 180  
 gggcggtctg caatcaggcg gtggatgcac tacctgaggc tgtatcg 227

<210> 7031  
 <211> 579  
 <212> DNA  
 <213> Aspergillus nidulans

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 aatatattat tcggccgtat aagggtcgcc ccttacctc aaagtgtgcc tccaaaaatg 240  
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gacgcggtcc acacacattc cccgctgtgc ggcgcaagca tgaatactgc tgtgcagtat 480  
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<210> 7032  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7032

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 atcgtatact atatcaatag cacttttagat agcaagtacc agaaaaagcg ttatcagagc 360  
 tgatatggta agacggcccg gagctcatgg ctggaccag cctcaggata cgacggctag 420  
 gacttcagac gtggccttcc ctctaacgaa attagggaga aactgcatag aagactgacc 480  
 agaagtcacg aaaatagcat agatcgaaat aaaattgaat tgtagaaagg attggataag 540  
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<210> 7033  
 <211> 520  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7033

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 aggctgactt agagacggac tacaatgatc tggcgacgca gtttcgtaag cttgtccac 240  
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<210> 7034  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7034

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 agacactacc gtggcgcggg ttatcttcga tggaacgcga gccgttggtg tcgaatatct 360  
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<210> 7035

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 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

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<210> 7038  
<211> 1373  
<212> DNA  
<213> Aspergillus nidulans

<400> 7038

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<210> 7039  
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 <212> DNA  
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 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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gctccttcag acccatgtct ggagaaataa gacatagctt ctggaaggaa ggtgctgggt 720  
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<210> 7041  
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<212> DNA  
<213> Aspergillus nidulans

<400> 7041

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<210> 7042  
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<212> DNA  
<213> Aspergillus nidulans

<400> 7042

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taccaagcca ccacgcaaaa tatcacagct ggatgcaggt acaggtctca ctgcgcgctg 180  
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<211> 539  
<212> DNA  
<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

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 attgagacta ctagatgaag gatcaatatt tgccgagtta gaactgctta aagcccgtct 720  
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<210> 7045  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 7045

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 aaccggtcga gatcaaaccg gacaactggg cgatccgacc aaacactggg caaaatagac 300  
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<210> 7046  
 <211> 637

<212> DNA  
 <213> Aspergillus nidulans

<400> 7046

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agaaatgtcg ccgcgtaatc tagaaacagt tggaagtcac gaaagtcaag gcccgccag   300
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<210> 7047  
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 <213> Aspergillus nidulans

<400> 7047

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<210> 7048  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 7048

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<210> 7049  
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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 7050  
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 <212> DNA  
 <213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

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<213> Aspergillus nidulans

<400> 7052

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<210> 7053

<211> 958

<212> DNA

<213> *Aspergillus nidulans*

<400> 7053

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<210> 7054  
<211> 615  
<212> DNA  
<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

<400> 7056

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<210> 7057  
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<212> DNA  
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<400> 7057

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aaacgacgtg gcaatc 676

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<212> DNA  
<213> Aspergillus nidulans

<400> 7058

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<213> Aspergillus nidulans

<400> 7059  
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<210> 7060  
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 <213> Aspergillus nidulans  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 7062

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 ttcatccaca aacttaacat tggagcgtct tgggaagcat ccaacgcccc gtacgcacag 420  
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 cttactcttc cccggacgct ttgcgcgcc gctcgcaccc ttcattcttct tcacagagaa 720  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 7063

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 caaaaacaca gggaacccaa acacacgcac agccaacgca aaaaaacaaa ggaaaacaca 480  
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<210> 7064  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7064

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 ggaggtggga gtggccctaa tgatattaaa agcgcccatc tctgcgttgc ttgcgtgtgc 180  
 ccaccgcagt caggtacggt aacctccac tgagtgccga aatgagtatg gagcaggccc 240

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 ccaccaacgg ccattttgga gagggctcta gaccttggat gctctgtcca gcacagccaa 420  
 tctcgtatgg tgaggggagt cgcttgcacc aagctatccg actggtagag ccgatttctg 480  
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 <211> 512  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7065

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 ggcaggacga tggaacagtt gacagcgacg gagcagcatg cacatcactc aagaagtctg 420  
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<210> 7066  
 <211> 493  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7066

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<211> 719  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 7067

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<212> DNA  
<213> Aspergillus nidulans  
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<400> 7069

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<212> DNA  
<213> Aspergillus nidulans

<400> 7070

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<210> 7071  
<211> 615  
<212> DNA  
<213> Aspergillus nidulans

<400> 7071

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<211> 814  
<212> DNA  
<213> Aspergillus nidulans  
<400> 7072

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<210> 7073

<211> 635  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 7073

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<210> 7074  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 7074

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cccactttca gcgatctgtt cggcaagcct ggtcagcacc ccaatcacca tccccaaaca 180
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tatgatcccc tcagcaatca tatcgcacct cgtcaagccg ccgaagatat tcacgaagat 360
ggcctttacg cgcggatctg aggtgataat tcggaaggag gatttcaccg tctcggaggt 420
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aacggtgttc attgctaggc cggcgccatt tactggcagg atttgtagg tgctggctct 540  
 tgaatggcga gcgggcagtt tgtcttacct agggcaccga tgctcccttt cccgtgagtc 600  
 tatgacgggt taggcccagg gatgagtggc ttgattggaa tatagatagg cgtactngac 660  
 gagacaattc atttttcagc tataccttca gcac 694

<210> 7075  
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 <213> Aspergillus nidulans

<400> 7075

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 tccccagtcc gtcactgttg ggggaaagac tgttggtgtt gatcctgcgc tcgaagcgga 240  
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 cccaaccgcc acttctcggc agtcgcagct gtccatgatc gccgcatctg ctagtgaaat 540  
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 taagatgagt tctgcatgga accaacagct ttcgactcag gaacaattgc tgttcgacag 660  
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 aaccaagcca gc 792

<210> 7076  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7076

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cacgcgattt gatctggcga cttttccaca ggatgaattc tggggcgggc caatccagta 600  
cccggcgctc gcgaacgaag cacagctgga cggttcttg aagttcaaga actcgacagt 660  
cgatccgtac gcggaagtcg agcagagctt tttggataac gcgtctgcgc cggctggccg 720  
tccggaagaa aagattatag ctggacaa 748

<210> 7077  
<211> 722  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 7077

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gaatggggcg tatactgcgt attatttccc tctcgctacc actcacttgg gatatttga 480  
gatctaggcc tggggagggc agatccaact caaaactgcc tatgggacgg ccaccatgac 540  
ggtgcaccaa acggcttagc tctcccgcgc tccaggcttg catggcctcg cggatgagtg 600  
cgttaatacc gagccgcttg acaaaaatat aatcggttcc ttcagacccc cgaaaaagtt 660

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ac 722

<210> 7078  
<211> 540  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 7078

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tacacagccg gtcataagcc tagatgctat acctgtaagt gataaccctc tgtctggacc 180  
cgatgcatac cttgcccggt cgctcctgtt cgcgcacatg tggacacccc tactcaciaa 240  
gggatctgat gggatacagc gatcctgaat atatacacat attgcaaata cccgttgctt 300  
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cgaggagagc tatacctcca gaccacatat gtcattgtcc atcaaccgcc atagagatca 480  
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<210> 7079  
<211> 686  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 7079

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gaagtgtggc ttccgnntn ttaaccccca ggccactcct tattctctc cttcactact 180  
tttttttgg tcttctgtcc cctttccttc acttctcat acctattctt ctctctctt 240  
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ctctctctt ccttctcggt atttaccct cctttcttat acttgcctt cctttttttt 360  
tgttctctt tttccatctg ttaccaacaa tttgtcttg gattttctct atattttttc 420

tcttcccttc tcttcttcta gtcttctcct ttcgtccctc tcaccctctc cttttctcct 480  
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<210> 7080  
 <211> 658  
 <212> DNA  
 <213> Aspergillus nidulans

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 tacgacttga cggtgccgct tgcacgatgg ctcgccatga acacctcagt gcaacacatt 240  
 aagcgggttc aaatagctaa ggtgtaccga cgagatcagc cggtgagtca attgtggtgt 300  
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 agatgctgag gtcctccgaa ttgtagtaga ggtttttgag gcgctcaaca tgcgcgacta 480  
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<210> 7081  
 <211> 837  
 <212> DNA  
 <213> Aspergillus nidulans

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 gtcaagttat acccaccgtg gaatccaagc gcgcgcggga agatccaaat ctcgaatgct 420  
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 gcttggggac tagtcgatga tagcacggcc ggaaaatgac acccgctctc cgcaagcggc 540  
 ttcgtccagt caggggctcg agggcgacgc gctgaggcat cggcggatcg caacatactc 600  
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 gtgtagccga ccaaatagtt gacagacctg tattcactgg agtgatggtg aggagtggcc 720  
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<210> 7082  
 <211> 643  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 7082

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 gtcacgacaa gctggatgag tagactgggg aatttaaaca ctcccctcac gcccgatttt 180  
 acattctttc aaatttagag ttggccactt gagcggccgc agttaccgca tagtgcagca 240  
 gtgggtaggt cggttatgtc atccatggcg ggcccatgcc gtcataacgt tgggagaact 300  
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 cacgcgagat actcgcaact cagcccaaga gcattcggtta ggcaattggt tggatatact 540  
 ttactctctt caccagaat tgcgtcgaaa cgagcgagaa ccagacacaa tggacgactc 600  
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<210> 7083  
 <211> 781  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7083

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<210> 7084  
 <211> 693  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 7084

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ccatcgaact tgaattcaag gccgacttga aagggtattgc agaagaagcg cttctgaaag 180
aggccaaaac acagcaaccg ccatttagag agcctcttga agagaaggaa aatggaaacg 240
tgggtgtccc tccgttgtca gccctagtca atgggttcggc tgggccccaa gccccagcca 300
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tactgggccc gtctccctcg ccgctcagca agttccatat cagcgctcca gaaagccgag 360  
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 cgccgaacgg gcctttctcca cgtcctgtgg gcacgccata ctcccttcct cccgtaccgn 540  
 cgtgtccctt cctttgaccg ggttgatacc aatccttggg aacaatatca ctacgacgct 600  
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 catattcacc gctatcgccg tttgagcacc tta 693

<210> 7085  
 <211> 915  
 <212> DNA  
 <213> Aspergillus nidulans

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 ggctcacatt gacctcacag gttcagactt ggctttgttg gctttgctgg cttttacgag 420  
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 <211> 687  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7086

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tgtggactgt gggttgtggt tattcgattg tattgtgact gtaatgttat tgtcttgtac 480
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<210> 7087  
 <211> 614  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7087

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gattttgggg actctgggtc ttccttttgc tttgttgggg gtctagattt cctttctgat 180
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gagggatgtc tacatgattt tggccatcgt ctggctgttt tcggagctga tactatcgat 480  
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<210> 7088  
<211> 587  
<212> DNA  
<213> Aspergillus nidulans

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<210> 7089  
<211> 599  
<212> DNA  
<213> Aspergillus nidulans

<400> 7089  
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tgaagagatc ccagtttgag ggatcctaag tgagtgtatc ccaaatcgct gggcgtagct 360  
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 caaaattccg aggacacggg ggtagccttt tttgttgctt ttcttgtagc aactccaggc 540  
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<210> 7090  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7090

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 ggatcctgta gccgcgttga cgaagggtt cggctgggtc acgacgactg tgggtaagag 180  
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<210> 7091  
 <211> 520  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 7091

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 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 7096

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 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 <213> Aspergillus nidulans  
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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 7101  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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<211> 972  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7102

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<213> Aspergillus nidulans  
<223> unsure at all n locations  
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 <212> DNA  
 <213> Aspergillus nidulans

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 <212> DNA  
 <213> Aspergillus nidulans

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<211> 1239  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 7107

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<212> DNA

<213> *Aspergillus nidulans*

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<210> 7109  
 <211> 844  
 <212> DNA  
 <213> Aspergillus nidulans

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 aaaaagggcc tccttggtgc ctgatttctc tcccaggag gagtcaggag gagtcaggtc 180  
 agaatgtaca tagcttggtc aaaggcacia gcatccatcg cttcccacac gtttgcggtg 240  
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 <213> Aspergillus nidulans

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gcactataacc ctgtacggaa cccgacgacc gtctctgtac ctgtacctgc acttggtgat 180  
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gccgttatat gtcagggtgcg gaatgtgacc catcactttc agcgagtacg aggactcaca 420  
gagtatacgg acagtgctag gtgcgtgcta gctggacta gaccgctgcg atcagcagcc 480  
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cacttcacta ttatggttgt acggtgcagg atacagcttg atgcctgacg atcgcagcaa 780  
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<212> DNA  
<213> Aspergillus nidulans

<400> 7111

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<210> 7112  
<211> 790  
<212> DNA  
<213> Aspergillus nidulans

<400> 7112

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aaagaacgat 790

<210> 7113

<211> 1017

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 7113

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aggatgaccg agataaccaa ggatgaaatc acgagaggat gagtccagct atagacatta 180  
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 ccgagtccgc aaaaggcacg ggctacgata aaactcccta tgctctgcgc cattgcacac 600  
 cagctgtgg taaggaaaaa gacggcaata gcgaataaat acacaggttt tcgcccgaac 660  
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 gaaagccagg aagccgagtt cgacgcatgg aagtgtgagg tgatgacagg gtgactggac 780  
 gccatcaagg tggaatcgaa aaaaccgatc acatatccca gctgtacacc accgaatata 840  
 agccagaacc gcgtaggaga gacgttgatg aaccgggcgg catatncagt agcctcgctt 900  
 tgagcgctg ctgcttccga atcttgtatg gtcttgcttg cgcgttgcgg agagaacccg 960  
 ttcagggcag tgtctattta agcgcttgag gatcgagctg ctttanacag gccacga 1017

<210> 7114  
 <211> 204  
 <212> DNA  
 <213> Aspergillus nidulans

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 cgcgtttacc atacctcttc ctctacctcg gcgctctcgg tcatcctacg gaattcttca 180  
 tcctctcggt caatagcaag taag 204

<210> 7115  
 <211> 918  
 <212> DNA  
 <213> Aspergillus nidulans

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 caaactcaga atttgccatc ctagacaagg catgttgga atggtacgat aatctgccgg 180  
 agagtttaca gtttacgacg tccacaattt acgcgcggaa agcttcttcc caactaggag 240  
 cactcgctct cttacactgc tctcactatc agaccctgtg tgacctatat cgcctaggag 300

cccagctct gttaaagctg cgttccgcta tcgattttcc accggagcag agcgagtttc 360  
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 cttggccacc tgccaaactt gttaggcttt agctcgaacc cgaagttgcc cggcaaaata 720  
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 <211> 801  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 7116

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 caagaggaga ttcgagcagc ccaggatggg aggtagcaac tcaatcttcc aagaggtaac 180  
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 cttgggaaag ctctttgtta ctcgcaacat ttgccttgga gtccatgaca cgcacggatg 300  
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 cacaatgata ccccgcatat taccagcgat gcttgtgctt gataaagaaa tcccggaccg 540  
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<210> 7117  
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<212> DNA  
<213> Aspergillus nidulans

<400> 7117

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<210> 7118  
<211> 1473  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 7118

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 gtcttaatta tctttatatt cttcatctat ttg 1473

<210> 7119  
 <211> 917  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 7119

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<210> 7120  
<211> 1183  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 7120

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taactctata ggatgactta attcgcattt tcgaaacaat tgctgccaac taaccacagt 180  
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<210> 7121  
<211> 622  
<212> DNA  
<213> Aspergillus nidulans

<400> 7121

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cacagcattc attcccatca cactcatctc cgcaatcaca ttcctcgcca gttccacga 180  
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cgcagtcgtg gtatgcgcgc aatgtgtgcg ccgattcgtg tctgaataga tgagaaaaga 480  
aaaaaattag catggaacac agttcgcatt tggtcataaa taagagaata aggggtgcga 540  
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<210> 7122  
<211> 637  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 7122

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aagatcggat ggccccggctt ggactggatg gtccactggc agaactgaat cctacgagag 180  
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gttgacaggt cgaggctgtc cggtaacqaa tccaccactg gtttaagcgc agtggtatca 300  
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<210> 7123  
<211> 595  
<212> DNA  
<213> Aspergillus nidulans

<400> 7123  
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acagcgagaa gtgatectcc ttgcagacct catcgactca gccaagcctg gagacgagat 180  
cgagatcacc ggtatttacc gcaacagcta cgacgcgcag ctttaataaca agaacgggtt 240  
cccagtcttc gcaacgatca tcgaggccaa ccacgttatc aagtcccacg accagcaggc 300  
tggtttccaa ctaacagaag aagatgagcg tgaaatccgc gccttgtctc gggacccgga 360  
cattgttgag aagatcatcc gttcaatcgc ccctagtatc tacggccacc aagacgtcaa 420  
gacagccggt gctctctctc tcttcgggtg cgctccgcaa gaaacacaag gaaaaatgtc 480  
aatccgtgga gacatcaacg tctctctcct cggagaccca ggcaccgcca aatcccagat 540  
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<210> 7124  
<211> 613  
<212> DNA  
<213> Aspergillus nidulans

<400> 7124

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 cgacctcgtc gttagacagt cccagaccgc cctgtccgcc ttcagcctcc cttctctcac 180  
 gcgcctgggt agctaggcgc atcgcaactc gtttgaagta gtcagacatg ctccgcttag 240  
 gtcttggcgg aagttcagcg ccaggccctg ccatgtactt gtcgaatacg gcggagtccg 300  
 agtccaccac tgagaatatg gagaggaagg cagcttctgc tgcgagcttg acaggaatga 360  
 ccatgtcgcg gacgccggca aatattggcg gtgcgagaag cccgagatgg ggccgcgtca 420  
 gctctgagtg caggcggccg actgttcgga tcacgaccag cgccagtcgc cgggtgtcgg 480  
 acggcgtgcc gggctgaagg cacggtgaca aggcctcgaa aatagccttg ttgctttcaa 540  
 agctatgctg ctctcaagc agcaagtact ttcagcgcga gtacactgta tcgagataag 600  
 ggctgtcgcg tag 613

<210> 7125  
 <211> 405  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7125  
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 agagatggga atccattttg acagcacgtg gaacatgata ccttagttct atgaccggat 180  
 cgtcatggat gaaatgaaaa ccgtcccgta cggattgagt gtccgctttt tgctccgact 240  
 tctaagcgcc tcagcttagc agctcaagga gaccatgctg gtaggtccct tcccacgtca 300  
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 gatgagtact aaagagacac gtccagacag ctgggtctgtg agctg 405

<210> 7126  
 <211> 584  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7126  
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gaggaatttc tggccagcct gacaggcca gactcacgct tgccagtatg gacagagcct 180  
gaagatgggt cactcccatc tgcgatgctt gagagactac gtgacggccg cgatctgatc 240  
cggatccaca acatagccgt ccggaagtcc aagcgacctt ttggtgagat caaaaccttc 300  
catgaagacg ttgccaagcc atatcgacaa gcagataatc ttcggtattg gataaaggcg 360  
gccgaactgc gctgggagac gaagctcgaa ctggacgtca tgggcgtcgt ctatggcacc 420  
agcgacgagg cgtggcacca gtttgatcga gccattgcag cctggtgcaa gtccgtccga 480  
gaagagctct cgcaagacct tcgagtattg agaagacgag cgactgcagc cagtgttgac 540  
gggctgcttg tcaagatctc atgacggctt ccgtcgataa tcca 584

<210> 7127  
<211> 1023  
<212> DNA  
<213> *Aspergillus nidulans*  
<223> unsure at all n locations  
<400> 7127

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gccgacctca ccatgtcgaa atatatagca aaacaggggg cgtttcccat accggtccgt 180  
caacatctcc tgcagcaatg gagagctata ctgttaactt gacgatccca aatactcacc 240  
tccttgctga cggcgagagc accgcgcca ttccaggctc ggtctctgtc tctccagcca 300  
catcagcatt tgcacgccc gtctcagccg tctgtcggcc agaaataacg gtgaagctgg 360  
tccgtcttgt gaggctctaga aggccgagac caccattccc aggaaatgaa accagcagca 420  
agactctgcc ctggagacgg atgactgccc aagtccagtc cttcccttcc cagataccca 480  
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tggaattcca ggagcgggaag ttcagctttt cttttctatt cccgcaacat cccgtcacag 600  
ncgacacagt tttgggactg tttctacact ataaccggac ggtagcttag ggtattcgta 660  
gggtcaggat tgaagccatt cgatcgagag cgcgccgag aaccgttgga tatcggcgtc 720  
cccggaggcc gtgtaacgaa tggaatgggc ttgcctcaaa aaaaagtccg gcggaacaca 780

ttgacttaag tgaggggaata atttttgtgg gagcgggtaa aaaaacctct tcgaaggtgt 840  
 gtgttctaac gaatttattt tttgggaaaa aacaacggag actcacaata cctctattgg 900  
 ttgggcctgt tttctatcta tctcaccacc tcttctgatt tattattaac tttatattct 960  
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 ttt 1023

<210> 7128  
 <211> 930  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
 <400> 7128

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 ataatacgtc cttactctt acccttcgcc ttcaattcgc aaaccaactt ccagaccctt 180  
 tccgccgacg gccacgccat agaccctaac tccctcgggtg aggcactact cgtctgactc 240  
 cgggcatacc ttgccgtatt accctgcattg ataacggcgc cacggaagcc cgcgaacgct 300  
 cgtccccagg ctaagtcgtt ccgcacatca tagccagact gccgcttgag tttgagggaa 360  
 tcctctagac tgggcaagcc tctcgttttc aggtgagatt ccgctatggg aggactaaga 420  
 ctcgaaagtg caaggtcgac cccccaggac tttcgttaga acaggagcgg ccggactgcc 480  
 aaccattccg aggggaatgg ccttgcgttt tcattctcca tgcttaggca ccattatccc 540  
 cgggttcctt ctgttggtccc ctcggttgcc agtcccgtac tccccgggtc tcggtgtcac 600  
 ctcgatatagg cctgttcttt cctcttcaaa acggcggcct ttttctctta actcagaggt 660  
 cnnncgtggc ccctttatct caacccttct ctccctgat ttattctttc tttcccccta 720  
 ttgtttttta atacttaatg tgattataga ttttttatga tattatttat tgataaaaat 780  
 aatataatgg tttaaaattt attaaggata cccnnnnnnn nccaccccc tctccctatt 840  
 ttccttttgt gttggatttt ttattttttg tgtattattt atttcatatt ttttctttac 900  
 tagttatatg ctttggggta ttctattctc 930

<210> 7129  
 <211> 679

<212> DNA  
 <213> Aspergillus nidulans

<400> 7129

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 aatacaatac tcgcttttacg attgctagca gatcattcca gctagtttga aggtactgtg 120  
 cgagagccgg aatatgtata ggggtgaaggc tgggtcaagaa gccgggtagc attatatggg 180  
 tattcaagcc atctttcgaa gatatggacg taacgagtat ggtattcatg aggcgtgact 240  
 ctgatcaaat aggatccaga atatgcgatg tggaagagct tgggatatta tatgaaaatg 300  
 ggatagcaat cgccagctga gcgaactcga ggctgcatcg ttgcgatttc catctccctt 360  
 cttttgtttt gctcgttgaa caatattctt cataattcgt ggaacttaaa cttcatctc 420  
 ctcaagaccg tgcttccaga gagtggcgta gggggtaaca ccatcctcac ggaagtcaat 480  
 caggatgtgc ctggaattca agttagttag aagtccgagc acttcagcct gctgccaata 540  
 catacatagc atcacctgcc atggactcgc ccatgagaac atcgtagttg tcgtagttct 600  
 tgagaatcat gtaaaccggca gcaggagcac ctttcttgaa ctcgttatgg tctcgcgggg 660  
 gcacccatat ccaaagggc 679

<210> 7130  
 <211> 1105  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7130

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 tccgcttctc cctcaataag cgcacctccg cccatcggca acaacctaaa ctatacttcc 180  
 acccgagcat tcgatctttt agcccatccc gtcgtgagaa tcaggccgag ccagcgccga 240  
 aaggttgctc tctcgcgaat atccttaact tcccatacca agcgccctga gttcgcccgc 300  
 gatggattcg tttcctgact tcttattgag cgaactggca atgaaggtga tgctccggac 360  
 gatgggagca ttaggacttg ggggacgaac tataagctcc caggggctac gcgactgata 420  
 tgcttgagct gttcttggtg gaatctcacg tgcgggtcct gggccgcac tcccagcttg 480  
 aagtcgagat tgagcgacag aaacgaagga aagctgagtt attttcgagg ccgaaccggg 540

atttctgat ctctggcttc gctagggagg agcgcacgcc gtgggttttg ataagagact 600  
 gtcgttatct gtaattatga aaagtctctt gatatatccc aaaataaaac tttaaaaacc 660  
 tgaggccgca tgatcatcat agtgtttata cttagatatt gcagagtcac ggtatacatc 720  
 ggcattgagct tgggcggcgt cgatcttctt tacctgcgag tgacttcttt caccaaacca 780  
 aacatgggaa ttggttgac tttctctctt tctgtttcat aagaaccaga atattcagcg 840  
 gtgccacctg tttgggaagt ggaatactgg ttacctgatg cgtgagtcta tcccctgtgc 900  
 acattttgtg tttgtccctt tgttgctcca tctgaccaca attcctttct atttaggggt 960  
 gtgccacaaa agggggacaa aatttttctt tgtccaaaca agatttttta aggaatattc 1020  
 gcccccccc acctctttgt gagtgttttt ctaccacatc cttagtcata actcctatat 1080  
 gtcgtactaa atacttcttc tttaa 1105

<210> 7131  
 <211> 825  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 7131

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 actgagttct gttggccacg ccagacgctg acccgaggg agagtgttg tcgtatgctg 120  
 cactccacgt ccggtccggc ggccacagga acgccgcagg gcccatctct ttagcggctt 180  
 cttcgccatg agtctgcgac ctagctacag tagacaggcc gacaaaaaga gcaatgtgac 240  
 gtctcatttt ttgcgagact gaagagctgg atgtctgaca gggaataaac ctgatgaagg 300  
 aaggagactg tgatacgggg gcagcatccg gcggacaccg atgcttttaa ggccataaca 360  
 tcctctgata agcaccaccg ttaatgtagc attcgggcta tattagatga aatagtctag 420  
 agtgtacagt gaccgctttt accggtcaaa gaaccgactg gattgagtca tgagggtgtg 480  
 acaaggcaga cttttctcgg ctcgagagtg caacatgctc agaccaccgt acaagtaggg 540  
 gctgcggtcc aattggggac gaataaacca aagcgaggtt tgatactaga cctgcgcaa 600  
 gcgaaataga tgaatcaacg ggcaagaact agtggatcgc agggttcaag ctgatggccg 660  
 gattcggata tcaatcagat aagatggaga ggtggagaca aactgngag tttgccgtcc 720

aattaaacag ctgaggcatt tgtctctca cttgtcggct gtggctccac gagatgttgt 780  
acctcacccc ggctcatgta gacagcttat atcgagagc agaaa 825

<210> 7132  
<211> 711  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 7132

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catggtagat gtgatcacia gtcagcgcgc gaatggaatc gtcatcatca aagtcctcca 120  
tgcagatagc gcaactcccg tgcgcatcgc catggctgga agcaacctca tgctccacag 180  
acgcactgac ttgaacttcc ttctctgaag cgtaagcgg caaagccaga ttggacgctg 240  
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tctcagaatg ttttgcttgg tggcccgcgc ccgctgtcca ggccctaaat ttgatcaagg 360  
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tgtatcgaac actgttcaga atgagacgag gagacaggca agacaatatg agacatggga 540  
ggtaccagac gaagatgaag aagaccgcga cgcagattgg ggccaaatag cccagggtgg 600  
ccccggaggg ttctgcccag tcctgcgcca taatacgacc caaagcttgg nttaggtgcg 660  
antagacatt agattgagat aagacagatc tcattcgacg atggaataga c 711

<210> 7133  
<211> 1457  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 7133

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aattaatttc ggcttggtct actaggattg atgcgaatat atatttgcaa agacgagaaa 180  
aaaaacagtc ctgcacgtgt gaatagtggc atcattcata gaaaaataat ccaccatgct 240  
atgaaacaac tggcacccgg ccagtttctt tctatactat gaactcgaat gctgcttctg 300



ccagtgtagc ttttgcccta tggaaacgcc ggtagtcact ctgtttgccca atacatccac 360  
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gcgtctcgcc gcttctcaga aggccatcgt tcgcttcaag aattggatag tgttgcggtt 480  
tccctggacg agacgggaga cgattttcaa cggctcaaga gtacactgtc agaagttttc 540  
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cccacaatgt ccgatctgcg cttgctccca actgctcccc ccgcccccta ctcttatgcc 720  
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tcatttcgat cccgttt 1457

<210> 7134  
<211> 507  
<212> DNA  
<213> Aspergillus nidulans

<400> 7134

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aaaaaagagg aggaagttgg aagaagagcg gctggagtga cgatggatca tggccgcgaa 180

gcggttctta gtacaaactgt ccgccaaaag cccccgtcct agtgtaaatt acggtatgaa 240  
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gcaagccgct caattacata atgtttgatt caacccttga tgcataatga gaaggcgcct 360  
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agtacaacat tcctttatat ggcagac 507

<210> 7135  
<211> 1149  
<212> DNA  
<213> Aspergillus nidulans

<400> 7135

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ttgctctccg gattattgct gaattggaac gccattgctg ccagatgata ttaggaacga 180  
tgtgtggcta gatgttatca caaaatatca tgttgcggtg gtttcgattt caggcacgat 240  
tcgtcgaagc tcatggagtt taaggagcga caagaaaagc aatccactag caatggacaa 300  
aatagagtgt aagtgcacta tagcccatca aaatatagat agcatttgca tagtaaattc 360  
taccagccgc gcattcctag atatggagac aggcgcactt gtttctgtcc ctgtctcacc 420  
cctttgggtg atcagtcaca taccttgcct ttggatgttg tatactactc gcagacgctg 480  
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tatacagtct cccctaggct ctattgactt tggactgaca tttttactag gttatagatg 660  
cctaataatta cttttttcat aggatttact accgacattc actatattaa ttactgctta 720  
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atttttgtta tttttttgtc atttcctttt atattctttt tattaatatt atagttgttt 1020

aattcttatac ttaattccta ttacttttat cttctctttc tcatgtatat tttcatttct 1080  
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 tttgattca 1149

<210> 7136  
 <211> 940  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7136

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 cctttaactc ttgattcggg ttggcggaacc gagaaactgg gtatgaaaat cggctttctc 180  
 tgtacaatcg tcgaagcata gatgaaataa gctaaagcta tgacaaaagt gtcgattctg 240  
 aggaatactg cttagagttc acggtcggca gccttgacag gcttttact gtcttcctcc 300  
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 gcatctttga atccgttagt tgagattgca acgcttctaa gacctagcac ataccgctt 540  
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 cgagggcgtc agagaagagg aggaatccaa tcataatagg ctgttcagtg tggagccga 660  
 acgactggta gagtgatctg ttattcacga acgccgagaa gagagcaaag atatagaaca 720  
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 aacatacttg agcgatgccg aaaagcttcg tagagtggct gaagctccag tggcccaact 840  
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<210> 7137  
 <211> 652  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7137

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ttccgggtga ccggacatct tgatatctag tcttgagggg ttagagacat agtgtgaatg 180  
ccggatacat accattcata tataacttaag ggcttttctt ttgtccttta gtaatatata 240  
tatataaact taaccccgat ttcaagcttt acaagtgtca gcttaggttc gtgaaactcc 300  
aatgactaag agacccaaat aagctagacc cagataagaa taatctcatt agaactaatg 360  
agtctactaa agtaaggctt ataaacgagc cagctcatac taactccaaa gtcatttttag 420  
agcgcatatc tcagagaact aggtaaatcg atgtctacgt tatttagcat aacctatgaa 480  
cgacaatgct tagacaagat accattgatt aactatagcg aacctctgcg gaagagtaaa 540  
tacctggagg ttgtagtgtg gagaagggtc tgtgtgacaa aaccctaatt tgacggactg 600  
gaagcatcct agagtgatct atacagacac acgaacgtgg cacggcttct cc 652

<210> 7138  
<211> 855  
<212> DNA  
<213> Aspergillus nidulans

<400> 7138

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7139

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 <213> Aspergillus nidulans

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<213> *Aspergillus nidulans*

<400> 7144

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 <212> DNA  
 <213> *Aspergillus nidulans*

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 accgggatac accggaaagc gacatgatga acatcggcgt tgtgggcttt gccggtgacc 300  
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 <212> DNA  
 <213> *Aspergillus nidulans*



<400> 7146

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gcaaggctat ttttgttttc ttttccctc tcccctccgt caactatttg tcacgtcccc 240  
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<210> 7147

<211> 744

<212> DNA

<213> *Aspergillus nidulans*

<400> 7147

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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
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<212> DNA  
<213> Aspergillus nidulans

<400> 7149

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 <400> 7150

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 cagaaacagg cggcccca aa ggctacctct tttccggtga cgaggactgt aacaaaggac 480  
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 <211> 663  
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 <213> *Aspergillus nidulans*

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<210> 7155  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7156

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agcatttagg gcactaagtt catgcacaaa ccgcgaaaca ttgaggtcag agtgagagaa 360
catatatgcc aagcacagcc ggtgtctagg gatgattttt atgtgctgac gcgcgagtat 420
aaccgaagca gaacacccaa aagtgtctga tgttacggca atccatagcc cagacaagat 480
cctgaggctc tcgatatcct ggagctaaaa cgacaaaat cctcatcaaa ctctcaccgt 540
tcaggaggcc caaggtaact ctttcgatca gccccgccg tatccaagac aactttttca 600
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ccaattgca cctgcacagt ccaaacttca tcttcactt gatccgtcca aatatccggc 720
aagtcaccgg gagtctcggg ttctctggagc aagcgggtaa aactcgcttc acttgagtct 780
atggccaggg agcactgcat tggcaggcaa ggactctgta tcagaatttt gagtgagaaa 840
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<210> 7157  
 <211> 762  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7157

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ttgaagaccc gagggaggcc ggtatcctca taagtgcgtc ccttcaaaat catgtctgca 180
agccctttgg tggcaaggaa aataaccggc ataccatgcc catcgtaccc cgcgcatata 240
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 acgtgggata ctactgcca gtccagatct ctttgacgta cgcgccgctt tcttcccagc 420  
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 tatcatcaat taccttatac cactgtttcc tgtcttcttc aaatgtgtac tgagcgccac 540  
 caacaatgat acttccatct gggcggtgga ttaggtagct ttgcccattg ccctcggcag 600  
 acctaataag atacgaatat ggtagaaatg gggcatcctt gccatccgga actgtaatgt 660  
 gacagcagat ccctcggcaa gggacgatat tcgaaaaata ctggggaagt agtccggaag 720  
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<210> 7158  
 <211> 1099  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 7158

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 tcttccatgg ttctcgcgac gggttgtgca gaatacgcaa agccgacgac gaagcgcgac 240  
 ccgtagacca ccctccccca ttcatttgcg ttaagtaagc ctttccctga accgccaaca 300  
 ggggttttgt tcctcagttg aaccatccac catcgtcaat ggggattcca aagagaacct 360  
 aaagggcacc cgcaaggteg ggtaccttgg attataccct ttctgtcca ttgcaactaa 420  
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 ctgctgagtg agtctatttc gttacttcag tatgccgtca ttctggagtt gaattcttac 720  
 ttaccatcat ggagcttcca ttcccaagta ggatcttggt caccagcaga gtgcgtcggg 780



tctctccaga atctcactac accatccggt ccaccacccc aaatcccatg cccatcgccc 840  
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 agccatccca catgttggtc ggtgactcta atatcataaa tcatgacacc caagctattg 960  
 cgctcagcaa tataaagata tcatgaggac gctcggagtg tactcatcac attgaagcgc 1020  
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<210> 7159  
 <211> 1001  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 7159

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 aggtggcggt agaggatgcc gtcgagagag tggcggtgtc ggtgcctgtc gaggaggat 240  
 ccggctcggg gatgttaaaa tacgcgaagg tgaatccttc cggagtatca gagttaatcc 300  
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 agtttgtgac cttgtcgctg gcgtggattt ttgctataca gtccggcttt ggtagtgat 420  
 tgacatgctc cgagagaagg gttaggcatg gaataacttg gtacagcgta caataaacgt 480  
 ttccttgact tgctgccgtc tgttgaaaga gactctgctg ccagaaggag atgttaaaca 540  
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 tacctgtcca agaggaagga ttcgtaaagt gattatcac atcagctgct ctcgtagtca 660  
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<210> 7160  
 <211> 792  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7160

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cttctttccc ttcacaacct tgctctcttc ttttttcttc acatcctcaa gatcagcctc   180
aagggccttc aaccttacct ccttaccctc gatatcagtc tttagcgcag caatccggtc   240
ctcaagctcc ttctgctgcc taccgcgcatc aacaagtagt tcccgtttct tcttcagagc   300
agccgtcata gactttctgcc tcttctcttc cttcttgctc cactccttcc caatttcctt   360
gcacttgctc tcgcatttct tgcccccaac acggggccac tcgtcgtctc catcgcagca   420
aagctcgtag tcgcagatgc cgtcattcac ccgctggaag ggaatatacg atggtttatg   480
tcccttattc ttacagtaaa agcccgaag agccgccttg agtccgtcac cactgtggcc   540
cctgcagatg ggcgacatcc aacggggtgt ttccggacaa gtgagcgcac gccgcggtgc   600
caggttcatc actaccatcc ggacagtcgc aaaaatcatc gtttactgcy gagaacggga   660
ttttgatagc ggggtgggag atgcaagaga aggtcgtggt gtctttgtag aactgggcag   720
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gcgggtgtag ag                                                    792
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<210> 7161  
 <211> 543  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 7161

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ccagggttag acgggggtcag agcctgtgtg tcttccggcc ccgaggcatt tgcattgtca   180
ctggactgga cggcagtcctg attgaagtct aggagtgtga catgccctag tctaggaaga   240
catacgtagc gcaccccgag aatacgcatt aaactggctc ncctgaagag tctggctgac   300
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ttatggagac tcgtgacggt gcgaaagtgt aacagcaggc ttgttcctgt acctagcccg 360  
acgggtgtta ctgtcgctgt gtttctttaa tcgaggagcg acgcttcattg tgaagaccgg 420  
ggcggcgacg gcttagttaa cacttggtgt tagtactgac ggcggctactt gccctggaga 480  
gtcatattcg ccggctccctg ctcatgctct gacgctatct ttgggatact ccttgctttg 540  
ccc 543

<210> 7162  
<211> 953  
<212> DNA  
<213> Aspergillus nidulans

<400> 7162

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tacttttcta cacttcttta cagcatcagt tcaactcaac gtgccgttcg taccacaga 180  
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ggccccatac tcatccaact gccgtttccg ctacccccac atcgcaatag ctagtgcagc 300  
gcccacaggt gcggaagcca aatgccaggt tccacacaaa ccacggctgg aacggggaga 360  
ctctctgtaa gccatttttt gcaaatcgcc cctatgtttt cgcctatgca ccgtgcagtt 420  
catatttggt tatgggaact gcttggtgaa ctaagttcct acgtgtcttg agttttgtca 480  
tccgtacagt tctacccttt tcaatttatt gctgatacag tatgtcgcag gaaccgagtc 540  
gagaatagtg agttcccaac ctatcagttt aggacttcgc tctgttcct agaggagata 600  
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gagtgtaccg atatcatcgg gacggagaca tacacagtcc atggaggctg ggatatccat 720  
tgccctggtgt gatcgggagc tactgagcgg agatagtctt cacatggcgg aatgacgctg 780  
aagcacatcc cggagagtag ggggagcttt ttgtcctcta accccttttc tttggcagct 840  
tggtggcccc ccttggtgtt attgtttccc cccacacca atatttatc tttcttaa 900  
aacacccaaa aaaacctttc ctctcccttc aacccaaaac tcttttctct etc 953

<210> 7163  
<211> 660

<212> DNA  
<213> Aspergillus nidulans

<400> 7163

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agcacgatta agtgcagacc ttaatatgcc gtctcacaag gcggagaatc gcaaggttca 180  
ctcgatgtat ccagatcacc attcctctgt cgtcgagctt ctcaagccct ttggcatcga 240  
aatggagttt caccocgtcg acaccaatga aactccctgc ggaaaccgca tgctcatgaa 300  
acataccaac atcatgggcg ttttttctcg ttataacaaa tcctgctctt cccacggctg 360  
ggccagcaag atggttgag ccactatccg catgtattgc agggccggga agggcgtaat 420  
caagcatagg aaaggtgaca gggggagctg acaagccggg cctctacaat gtccgcgttt 480  
accaccagcg ctgcaagaaa tgcaactttc tcagcagccc gaagctggac gagacctatg 540  
cgagacgcgt tgcgtattat ctaaaaatgt ggcatgggtt acggttgagc ggccgtttac 600  
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<210> 7164  
<211> 1291  
<212> DNA  
<213> Aspergillus nidulans

<400> 7164

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tagtgcacaa agaaaaaagg gtacaggggc cagacttcgc aacgattagc ttgcagctct 180  
ggacaaccaa gcctggccct acttcctagt ccggcggcag aaacgggtgag tgcacctagt 240  
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caaaatttcc tcgtacttcc ccggtgctag gcgcatctta aagagtaacc ttttctgaat 660  
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 gtcgtggagc acggtataat tacactagaa cgcgctgctt tgcttttgca gattaccgcg 1140  
 ttacgcacca ccctgtctga cttaaatttt ttaaggtcct ttccgtcaat gttacaataa 1200  
 ctctttttgt attttatttt ttaatttttt tcttcctatt aagcctccct tggaatttat 1260  
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<210> 7165  
 <211> 794  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 7165

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 tgtgcatgtc atgccaaaat caatccccac cacaatgtct ggaaaccgct cttctacca 360  
 tgtcgacatg gtgttgctaa caacaacttc tttgccatcc ataaacggct tgcagaaagg 420  
 ggatgtgacg gcgaaatatg aggccggtag tggaactgca tgagctagcc gactctgtat 480  
 tttgattgct ctgaaacccc atctatgcac aaagaatggc ggtgccttcc aatgagccaa 540  
 ttgcatgacg gaaaaccaga gacttgtgtt gggccatgat atttggccaa cttgtgcatg 600

tttaaattgc aggggcatg cccatagacc tattcagaga gggctagccc aacagtcccc 660  
 ttttgtcccg acctactagg attttcaact gtacgtctta caccaactga tgctttgtaa 720  
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<210> 7166  
 <211> 877  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 7166

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 caagcgataa ccacagtgcg caacgtctac gaccggttcc tggccaagtt cccgctgctg 480  
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<210> 7167  
 <211> 971  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations

<400> 7167

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tatcttatta aatagacaaa ctagctattt aaaatataaa aaaataaatc ttattaaaga 180  
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tataataact ataaactatt ttacatgcc aaaagtatta aaggatttat aaataaaatc 300  
taaagtaata gtttataatt tagataataa aaacataaga cttttcttac tataatctat 360  
attattaata tactagttac agatagtttc taagcaggta ttagagaact actatttaaa 420  
taataattaa atagaaatat ctttcttctt ggtagaaata taatatatat atttattatt 480  
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aaagaaatat atttataata taatattact tttataataa ttatcttttt aactggtact 600  
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atatttattt ttttatatct acnaactagg taataaaatt aaatttttat accatatata 720  
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<210> 7168

<211> 407

<212> DNA

<213> *Aspergillus nidulans*

<400> 7168

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gccaccataa ttcccgcca aaacagcctt ttacgcatca ttcacctctc tttcccttcg 180  
gacaactgga gtcagcccc aacctcccct tctgaaatcc tgacagccct caccaacact 240  
gtcccagaaa tacgccacat cgacgtctc cttgcaaatg ccggctttgc aaccctatg 300

accccagctc taagcacatc cgtttatgac ctccgtgcct ccttcgaagt caacactatc 360  
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<210> 7169  
<211> 1038  
<212> DNA  
<213> Aspergillus nidulans

<400> 7169

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atgaggttga taaactgggt actgccgatg gcaaacttga cctctacacc attatggctg 180  
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gcatcttatg ccctgttcaa ctacaccctt gatgatccgt ccaagggctt agtctattcc 480  
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gagatcttat cctcgatgga aaagattgag gctggcatgg aaggatatgtg gtagctttcc 720  
tcttcgttat ggatgaatat ggggctcaca gatggcgctc agacatgtgg gccaatcca 780  
agccctcgga ttacctttct tttcgcgtct ttattttcgg cataacctcg cagtccatgt 840  
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ccgctcacgg agagcctt 1038

<210> 7170  
<211> 470  
<212> DNA  
<213> Aspergillus nidulans



<400> 7170

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ggatcaggaa aacttctgat ggatagccca ataacagtcc tcagcttatt cataatcgat 420  
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<210> 7171

<211> 551

<212> DNA

<213> Aspergillus nidulans

<400> 7171

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gctcgacgaa gagcaactcg agcagcaacg acaggtccag caatcgcgtg aggagattgc 180  
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agccataatc acaactgtac agtatactga atctcgaaac aaaccatcaa ttgccgttac 480  
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<210> 7172

<211> 316

<212> DNA

<213> Aspergillus nidulans

<400> 7172

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 tgaccaactg tgcctcgga ttatcccaa cgtgttcaca ggtcacacct tccttttgtc 180  
 gagacctggt tgttcatttt gcatttgcac gaatagggtg gggcaaggga ggtagccatg 240  
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 tgggtgattg caacga 316

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 <211> 573  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 7173

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 gggctcgtct tactcgtca tgcgtacgtt acctaccca tcatttcaga ccacccaat 180  
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 ttattccgca cagcagcaca cagttctcta cagcaatgtc cacctatcct caccctctac 300  
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 cttaattttc ggcgagaaa aactgaagcc tgtaagctgg agtgagtggg cgaaggaggt 420  
 cgagaagaag ggcgacacgg agaatccgca tgcgaggctg gaggagagat acagctcttg 480  
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 cgattcatgt tgactggatc tatcaagcaa aac 573

<210> 7174  
 <211> 730  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 7174

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 tgctgcagga caaagaaagc gtgccagtag ggcccattgt caatagaatc ggcttcttg 660  
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 <211> 763  
 <212> DNA  
 <213> Aspergillus nidulans

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 aaatacacct gagcgcggcc ctcttctcta atctaagcac tgcggcgctg ctgtcgaggg 180  
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 gcgaaaggac cggctctata ctttccgagg ggacacagat cgtcttttgc gcctagcctg 420  
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 taatacacac actatctata atgggtaaac caggctctga ggaagcgact cttacatgag 600  
 agtcaactt ggagttgcag acaatcaatc aaatacaaaa caactgtgga ggcagcttct 660  
 gattcgacca aaaataccgc ctgatggaat gctgaattgg gttagcattg cctacctgag 720  
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<210> 7176  
 <211> 537  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7176

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gtcatgctcg atacatgtgt ccaatcaacg ccaattcact gtcctttgaa gggaaccagc 240
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gcatgaacgg cgagccgagc cgggtgcctat ctctttgcaa ggtaaacata gacgcgacca 420
ctgaacgcct gcaactgccg attccagggc tagttcacia acaaagacta ctcttttcga 480
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<210> 7177  
 <211> 609  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7177

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gactacggag acaacgagag gaagcaacc ccaatcaacg ccccatagga cagatcacat 180
ctgcgacgct cgctcggata ggaaacgcca gatggacgat tctgacggag acatcgcacg 240
agagcccttc tattggagcg agcagacact gtgtgcccta ggcgggtacac ccaaggctac 300
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tcttatgcca agtgagagaa cttactacct gatgggtcat ccgccggcca gggcgattgc 480
tctacaagag acacgcaa at cgaaccatac accgaattga gtggccatcg aacagccacc 540
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609

<210> 7178  
<211> 477  
<212> DNA  
<213> Aspergillus nidulans

<400> 7178

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gacgataggc ttcacaatgt ccatgtggtc catgctatcc tccaccaccg atccgtgatt 180  
gaaacttata accttcttaa tacgtccgag gagcatggtc tgtaccgctc tcacctcgcc 240  
gaccaacacc gcttaaccga cggattaccc acacgcccct ccaactggcg acttgctcga 300  
gttccatatt agggagtaga ctcggtagtc cgacctactg cgggggcgca cgaaatcgtg 360  
gctgccacca gttggtcata acattctgac agcaccgtct aaggacaagg tctcgctcga 420  
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<210> 7179  
<211> 1266  
<212> DNA  
<213> Aspergillus nidulans

<400> 7179

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ttagcaagag tgctggagca gactaagggt tccttatgct caggaccttg gcttttcggt 300  
ctccaagcta gggcacgtg tatcaagcca gctgcctcct ccactttccc cagatcgatg 360  
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<210> 7180  
<211> 1002  
<212> DNA  
<213> Aspergillus nidulans  
<400> 7180

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ctgttacagt aaatgttcgt tcaaggcttt ttcaaacgcg atataatggc aaatctagcc 180  
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gtatgtctcc tgatcctttc tcaaccccaa gctcctgtcc gtgtccgcat cggtagcggg 720  
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<210> 7181  
<211> 611  
<212> DNA  
<213> Aspergillus nidulans

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aatagctctt tcattccactc ccagtgttac tgaagagtct tacgcttatt acgagaactg 540  
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<210> 7182  
<211> 1018  
<212> DNA  
<213> Aspergillus nidulans

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ctccgttca acccggtcgc ctacgaggac gtgctctatt cttgcgccct gctgcaggac 180  
 ctcaaagtac tacctgatgg tgataagacc gatgttgggg cgaatgggat caacctcagc 240  
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 tacggctaaa tttgccttgg gccctctttt tagggccctt ggccactgag ccatgtcggg 960  
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<210> 7183  
 <211> 561  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 7183

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 aatgcatact ctgtataata catctctaag gaatagtata cataacccca cctggagggtc 240  
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 tcctggctgg ggaatttctc gatactctac acaagatact ggtagctctc acggtcttct 420



gccactaact gaccgatcaa gggaatggca ctaaaactac actgcttgta gaccgcattg 480  
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acgcggtatg ctacacaagt g 561

<210> 7184  
<211> 717  
<212> DNA  
<213> Aspergillus nidulans

<400> 7184

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ccatgattgc acggttgaac tgatattccg aatctcctcg tcaccctett ttggccagaa 240  
tctcggtga ggatgcgttt tcgacagttg caggtagtca tcgatagtct tctggatgcg 300  
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gaagacaggc tgtagattga cctgtagaac ttttgcgagg gactaagcac aaccatggat 660  
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<211> 517  
<212> DNA  
<213> Aspergillus nidulans

<400> 7185

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acccaaacac gcaaacagcg acggaaccaa aaaccaacag ccacccaaac cgcaggacgc 180  
cagccacagg caggccacac caaccacaac caccacaaaa gactgatcac aaagcaacac 240

cgccacaaaa aacacacccg aaaacccgaa cagcaagcaa aaaccctaac gcaccgcacc 300  
ggccacaaga agcatcccaa caagccccag aaatcctagc cgcaaccaac caccagcaac 360  
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caciaagggc caaaaccaac gaaaactacc aaccaac 517

<210> 7186  
<211> 1118  
<212> DNA  
<213> Aspergillus nidulans

<400> 7186

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tacttcgggg ctttcctttt cttcaattaa tgcagttg 1118

<210> 7187  
<211> 725  
<212> DNA  
<213> Aspergillus nidulans

<400> 7187

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tttcacggca gtacactgag ttctgtcaga cagatgacaa cgtaggccat aaacatatgg 180  
acaaccaaag cgatagctac atatgtaact cggaatgca tgtatcttaa ggaatgtcat 240  
tctagcaccg aattaatcgg aaagaaagta ttctagttaa caagagggcg atgcgggaag 300  
atgggccagg agaccgcata ccaaggcttt ttttacgaga aactttgcgg atttctggga 360  
gatgagcaca tcatggaact gataactcgt atttgttcta agcgattgtc gctggaagaa 420  
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gtcaaagact ttgtatccat tgcggccgtg ggtatcatcc ttcttcgcta acatacatgt 660  
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tacac 725

<210> 7188  
<211> 808  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 7188

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agaatcagtt agcccagact tcgctgcaaa tctgaagggt caatcggttca gcagaagttg 360  
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 caagggagga agaatagcag gataaaaaat aactgtcgaa tcgcaggcca gagaactaga 540  
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 acaaaggcaa gtttctcagc agaaccaata gccgttccaa atcagaaaag gagagcacgg 660  
 aatgcgcgga tgtgtttgcg ttcaacctga acctgaagct ttgatctgaa acgctaaaaa 720  
 attctagata acgaaacaag tctgcggatg tgggtgaaac tcgcggggaa aatacatttc 780  
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<210> 7189  
 <211> 701  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 7189  
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 gagctcaaat atcgccttga agcgcagct gtccaatgct ctgagcgctg tctttatcag 180  
 tccgcaaaat ggtagacttt ccaccagtcc ttctgctctt cgctgcttgc tcagtaaata 240  
 tgctcacagg gcggccgaaa tccttgactc catcatccca atagacaact atgacaccga 300  
 tccagactcg ccgatggaca ttaccgaacc gcgaccgcag aatccctacc tacgaacca 360  
 ggatccggtg gaagctgcgc ttgaagctca agaataccat aaatacctcc tagcaaaatc 420  
 atatttcgat actcgcaat acgaccgatg cgcctcagtg ttctccccc cgacaatatc 480  
 gccgtctca ttatcaacat cgtcgccgca atcaaaactc aaatcatcac taaggaaccg 540  
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 tccaaagctc agtcagaaat cgttggttct cgcattatat gccaaatatc tcgctgggga 660  
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<210> 7190  
 <211> 1186

<212> DNA  
<213> Aspergillus nidulans

<400> 7190

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tttaaataca atgccaggta cgatttttta cctgggggta tggtcctaac agatcttaaa 180  
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attaattctc tcccagaaaa catcccttta tccaaagttt ggtcagcctt aggtcttggt 360  
atttttgaaa cacagaggaa tctagctggc caaatgcatt caatggttga taaagccaga 420  
atatggccct ccaaacacca gaggttacgg tgacaaattc aaccctagtt gtctaaaaga 480  
gataacaaa tctgtcacgg agcccccttt taaatcccaa cacaaattgg gcatggccat 540  
tgcttgggtt ttatccgaga cacaaaatat atttttcttt ccctatatat taaagaaatc 600  
ggtttctccc caatccaaaa atatggctac ttaagcttag aatgcattca ctcttagtag 660  
ttgaaaaaaaa aaaaaaaga aagtaagaaa aaagacaaaa gtttagtttg ccaaattcta 720  
tattcttctg ttccctagtg gctgaactgt cacaggctca acaagttctc cccgcttcct 780  
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<210> 7191  
<211> 499  
<212> DNA  
<213> Aspergillus nidulans

<400> 7191

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 cttacccatg cgtctgaggt tcgagcggcc attgccacgt acccgtcgct cgacccgagt 240  
 tcgccagatt tcacccagcc ccggacagac ctctctccgt ttggccagag tttgccggaa 300  
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 gggcaggagt acctccccgt catgtgtgca gcgattcagt atggtcggct cggtggctgg 420  
 tacgcgcgag agtcgcagga gtcggcgagg cagaaactgc tgtaccctgt gcgccggctg 480  
 gaggagcctg atgtgcagg 499

<210> 7192  
 <211> 683  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7192  
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 gctttgccat agggtttgcc ttgaatgact tcgggggcca tgtattcgat tgtgccgagg 180  
 gaagagttgc agcggtcgtc gtcgcccacg gcgattttgc tgaggccgaa gtcagtcaga 240  
 aggaggtgcc cctcgcggtc aaggaggcag ttttctggct taagatcgcg gtagatcacg 300  
 ccgacgttct gatgtaggtg ctccaacgcg aggaccatct cggccatgta gaaggccgca 360  
 gcgtcttcgt caaacatgcg ttccatcgcg agtggggtga agagttctcc tccttgggcg 420  
 tactcgagga caaggtaaag tctttcgtgg tcctggaagg cgtagaagag ctttacaacg 480  
 aagggtgtc gattcacgct ttccagaatc gcgcgctcgg tcttcgtttg ttccacgagt 540  
 ttcttgtgaa ccgtaatcga ggctttcttg aactgtttct gcgcgtaaag ctttcctgtg 600  
 agagcatggc gcaccagcaa aacgggtcca aaggatccct tgcctaagca gagcagaggc 660  
 tcaaaatcat cggtagtcac ttt 683

<210> 7193  
 <211> 573  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7193

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aataaaataa cattatttgc acggacatgg aactgagtgt agtaattaat gagcctagcc 180  
tgactggggc cagccaaaaa gggatccagg ggttgctcgc atcatgctct tggccacctt 240  
agggttttac ttggtgtctc tgggagagga agtaccagat ccccgtaagt ccaccttttg 300  
catcctataa gaccctgagc ggctgagcct gcttggttatg taagacatgt ccgcgacaat 360  
gaggttaaat gcctacacct ctgctatacg agttcgggcg cgtcagtcca gtactaactc 420  
cgtataatta tttagttaaa tagtcggggt ttaggtcaac cctagagctt acataagtgg 480  
gttattatit taacgttata gtcgaggatc gtttcgtgtt tcgcgtcctt acatttctcc 540  
acgtccaaat gtctgaatca agcgaggcca ccg 573

<210> 7194

<211> 864

<212> DNA

<213> *Aspergillus nidulans*

<400> 7194

ccaaccgagc ccacaggccc attgtaaatc aactgccctc gtgtgggtctg gggcggtcca 60  
ctcagagttg tcttgatagc cggagaaatc cttactgtat aagtagcaga acggtagata 120  
cctaggtgat cctggggcta tcatcaaata gtgcaggcca tttggaagaa cccaccgggc 180  
tcagcctgat aataactcgg acggagtggg gggacgaagg ggccctgcag tactagatta 240  
tattaatccc tgtcaatcgt cattaacaag cctgtctcag gtccactgtt tcaactagt 300  
atctagttga ttatgcacaa tggtaggcat aaaaaaccac ccggccttgg taggccatgt 360  
gtaagtggaa tagatgatcc cgggagtacg gcgagagatc tccgagtcac acagcaactc 420  
tagctcacia gcagtctacc gcgtgcagtt gtatttttagg ttgtttcaga atgggcacgg 480  
cttctacgag tgtagtctat tggttatagt cccaccgtat ctggcccaaa gatagacgca 540  
tcgtacatgt ggatagtcct caaaactgtt gcggctgtag gctatttgat tcccacttga 600  
tgcgagatgc ttgatagtac cttagagctc cttagcaact agttttttgg ttttagatta 660  
gggcccactg gatctctcga aaggtgtacc gcacgtacag gaggatatat attgccaacg 720

actacgtaca aaaacctatc cttaaagacg gtttcgcatg cgaagaatcc aacgggaata 780  
cagcatgtac acgtacgtag tttgcccgcga ttcgcgcaga atggcagtga tctgtgatcc 840  
tgcagagaaa tattgttgag caga 864

<210> 7195  
<211> 574  
<212> DNA  
<213> Aspergillus nidulans

<400> 7195

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cttcacgtcc agtttcgcaa caagttcctt cccaagggtg tcaagatcgt cggatatgcc 120  
cggacacaga tggaccacaa tgaatacctt aagcgagtgc gtcatacat taagaccccg 180  
acaaaggaga tcgaagagca attgaacagc ttttgcgagc tttgcacata catcagcggc 240  
caatacgacc aggatgactc attcaagaac ctgcgcaagc accttgagga gattgagaaa 300  
aaccaaaagg aacagaacag agtcttttac atggcggtgc cccccagcgt tttcatcaca 360  
gtctcagagc aactaaaacg caactgctac cccaaaaatg gtgtcgctcg tattattgtg 420  
agttggattg ccgtccaggt gaacggaagg gaagaaaagg ctaatcgggt ttttgtcggg 480  
ttgtaggtcg agaaaccttt cggcaaggac ctccagagct ctctgtgatct ccagaaggcc 540  
cttgagccca actggaaaga agaagagatc ttcc 574

<210> 7196  
<211> 476  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 7196

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ccccacaccc ttccatcttc ttacacttct caactctatt attccttact cccatcaccc 180  
tactttttctc tcttcttctc tacctcctta tctccttctc ctcccccttac tttaacccgc 240  
cctaaaagta cttacacaca attctcgggg gggcctttca acctattctt cccttcccc 300



tcaaccccc catttctaca ttactatcc ctatttgcca tcacctcacc gatttcttga 360  
ctcctgtctg tctctccttc ggacacgtcc ctatctaccc tcctatacta ttactatcta 420  
ctacttcact ttcaccctct actttctctc aagtcctaatt ccatcttctc ttatta 476

<210> 7197  
<211> 574  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 7197

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gcactacatg acaaggaaga aatattagag ctaccacttc ttagttctag ccatttcac 180  
catccctttg ccaagttcta agctcatttt atccccctac aggtggtaag ggcgagagag 240  
tgatagacaa ctctgctgac tcctactccg actccgattc cgattagacc tgtatccgtc 300  
ttttctcatc tccctcttcc ttgttctcct agaatcaaag attatataca aacaataatc 360  
cccaagagat acgcacgcac acgctgtgtc gccacaaaga caaaagcgtt cctattgcgg 420  
gtgcctcagg aggctgccag cgctgcacgc gcctcagcga cccatcttgc gtgtttccgg 480  
cagagatgcg cggagggntt atcactcaag ctaactggaa aagctcaagt gaaacacagg 540  
actgcgccga aaagatggag aggaatacag ggtg 574

<210> 7198  
<211> 555  
<212> DNA  
<213> Aspergillus nidulans  
<400> 7198

ggagtgtaga gtgcgcgtat ttgaggagcg gaaagcggga cggcgagaag tggtagaggg 60  
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ctttcagctc ggggctccag gacgaggggt ttgcggcgctc ggcgcaaaag acctgagctc 180  
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aggagaaggc gcggcggttt tccttttcga gtctttcaac ccgctgcttt gcgaactgcg 300  
cctggacagg gatagaggtg ataccgacgt aagagtcgaa tagcggcttc ttcgggctcg 360

tgctgtcttt cgcacccccg gccccgtcct gttctgctgt ttctgcttcg catctatgca 420  
 tccccggggcc cggtccccgt ttgtacccta gtatccgcat cgactgggtcc ccgcacccaa 480  
 ttctacgtc cagcaaccgt atctttctct cggggcgctg gggattcgcg tcgccattct 540  
 cgtctagtag cgacg 555

<210> 7199  
 <211> 747  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7199  
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 caccaaagag ctctttacgg tggccaatcc tccaatcgga cagataacgt ctgactgtaa 180  
 cgacagcagg tattcttaac tggctggaat tgggaaagac cgggaaaata gagcagataa 240  
 agcatatagc aaggcaggat tgcgaacaaa ccagaagggc caagctggat agactgtccg 300  
 cgacattctc ggatggatct ccagcaaagg atctgagcat gactaagaga gacaatcaat 360  
 acgttttatg gggttcacag cgtctgctat taatggtgct ggactgcgtg gactacaacc 420  
 gacattactc gccctacgcg cggctgctac tgtgcagaaa ctttctttcc ggcaaggat 480  
 cggaatatc actgcataat tgCctagtag tatcgactgc tcattcgcta gagcatgacc 540  
 acggatgctt gagggagaag catgcttgat acttccccct ggatagttcc cttatctgag 600  
 cccttaagca agaacaccca tcgggtccca ccgtggcaaa atttttggtt cctgcccag 660  
 aacgtttcta tttcatgcg aaccagataa aagttaaaa ctgcttgaac gttgtctctg 720  
 tcaatcacct tatggtcata aaaaaca 747

<210> 7200  
 <211> 611  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7200  
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cgagctcccc gtgcgcggct acacgaccct ctgtctgaac aatgcacaga tcaagacggg 180  
 tctcatgaac gatctggacc tcgagacaat gatgagtgat gtcggagcag gagtgcagtt 240  
 cctgcgggct atgggcgaca ttgacaaggt gattgtctgg ggccattcgg gcggcgggtgc 300  
 gataatggct gcgtaccagg atgtggccga gaatgggtgt tcggcctgta acgggactga 360  
 gaagatctac ccctgctcga ggcgcaggga cgggccggag cccgcggatg ggggtgctgt 420  
 cattgatgca aatcacggac tctcgacgat gactctcctg tcgctgaacc ctgctgtcac 480  
 caactcgtct gaggcagtga acctctacag cccggcaaac ggggtggaccg aagccggcgc 540  
 aaactatacc tcctccttcg tgaaggagtt ctatgcagcc gtggcgtcgc cctgaaatgg 600  
 tctcgtcgac t 611

<210> 7201  
 <211> 541  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 7201

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 aagaacttgc aatgaattgc ttcggagact gtcacgagcg gaggataccg tcttttgcgg 180  
 ccgggtatct atctttctct ttcaaagctt tcccttaggg gacaagagcg cagtgaatct 240  
 tcggggcgaa tatcataccg agaacgtgac aacttttgat accatcgcga atgacgcgat 300  
 cagtgaagca catgatatgg atgtggatat gccggacgtg aaggcaacaa actcggtagc 360  
 tgagacgcag aagcagcccg tcgctgaggg tgatgccaaag tcggccgaac aggacgtcac 420  
 taagatacca aaagtgaccg tttcgcagtc tagcgatcag actggggagc ggtcactcaa 480  
 cctagatacc ctgtatccaa tcttctgggg gttgcaagct tacttttctt cttcgacaaa 540  
 g 541

<210> 7202  
 <211> 827  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 7202

ataaaattgc gccagtatac gacggatgct gcataatgc atataaccca gatctgacca 60  
 atcttgtggg cttggcaatc gcaaactga agttctgttg cagctgggtg aatgcgagga 120  
 agcgcagtat cccgccgcaa agcaaacttg ctacgaacac agcggactct gccgaccagg 180  
 agagaagacc agaactgtag cctgaaggac agacgaactc ttgcgtacgt agaggaagga 240  
 gagggaggat tgcgtggcat agaccaaaga tggtgacgag tttgctgtgc aacgagagga 300  
 gtaagatcat ctataggaga ctgggtcagc aataaaatgg gtgtctgctt gcagcaggcc 360  
 cgggttaggg agcaccttat tatgcctgaa cgggtcgcct ttcactgtct tgtctggggt 420  
 gggattcggg ggggtgcagga cgtgttgaaa aaggatgag ccggagatca cggcgatgga 480  
 gaagaaagcc tgtagcatct tggaccgaaa cagttctgtc tgcgtcacc acttattatc 540  
 taaggagaaa aattagatgt ggaagggttg gtatttgtca gggcgtgggt tggtcacagc 600  
 tttataccct tatcttagag ccttcgctcg agggacttca gcctcggtag aactccaaa 660  
 attggcatct atcagcaccg cacggcatat aggtacgcct aatgtaacat cacttatttc 720  
 cagcgcagtc gattatcgct caccgttttt gtattggcct gatatgcggg cgagcaggcg 780  
 tgcatacaga caagtttcta cgcgactgta gctcaactag gggaaac 827

<210> 7203  
 <211> 746  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 7203

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 cgcagagaat ccccccttct ttaatgaggc aaacaagtcc ttgttgctcg cctcttcgcc 180  
 agcctcacgc ttcttctgtt tggcctcttc gagagcctcg gcctcacgct cggcctgctt 240  
 catgttagcc tcgtaggctt cccgctcttc cctctctttg cgctccttct ctctctcttc 300  
 agcctgcttc ctgcgtaat aagcggcttc ggcagcggct tccttggcct caagctcagc 360  
 catctcgcgt tcgatagcat catagtcaat ctcatcgtca tcagcaggcg cgggagcggg 420  
 ttcggaaggc ttcgctgttt cctcagtagg agcgtcatct ttcttctctt tgatgctcag 480  
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ctgctcctcc ttcttctggc gcgcttctc ttcattctgc ttcttcttgg cagcctcttc 600  
 ttcttcttcc tccttcttac gcttagctgc ctcttctct tccgctttac ggcgtgcctc 660  
 agcctcttga tcttgcgcca tcttctggag aacagcgtcc ttcagttcct gtttcttttc 720  
 agcggcagtc ttagctgaga cggacg 746

<210> 7204  
 <211> 493  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7204

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 ctagtttctt tgtggataac gacgttagca ttggtgctgt ttgtggaatg tgaggttgag 180  
 cttcgcttcg ccctcctcgc acgcagttta gggctcaacc gtcagcagg cgaaacccgc 240  
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 ttctcagggt ggttggttgt cataacaagt atgcggcctt cgcattgtgc gacaccgtcg 420  
 atgacattca acaagccgga tagagagacg ccttgttttt caaagacccc tgtccgccag 480  
 tggttggtccg gaa 493

<210> 7205  
 <211> 460  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7205

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 ccaaagaaga cctgcttcca gttcggctgg aggaagttgg actcgttctc gtaggtcccc 180  
 gaccaggag tgagagcctc aagctggggc gcaagttcat tagtgaccgt ctgctgatca 240  
 gccaaatatc gggaccaggg cttctcgttg ccgagggtga taccgaactg catagtgcag 300  
 agggctttgc gccaaaggag aaagatggcg ttgtcgacat cggttggtgtt ggagacattg 360

agacctacac cgacggcgac gacattctgc gaggtgaaat tgtacagaac ctgagccata 420  
gaagcagcat cagactcgac gaacgagcgg ggaaggagac 460

<210> 7206  
<211> 643  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 7206

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accaccatgg ctgggacaca ggacacgtac tttcccgggc ctgtccctgt cccggagggt 180  
gagacatatg atccccgactt ctctcatccg tggctatata ccgagagcag ggcgatcgtg 240  
attgcgggtc tgattttcag tacgctctct ctgatgctgc gagtgtacac caaagctgca 300  
ctgctgcgca agttcggatg ggacgatagt gagctgcccg gcgcccggtg ttctttcctc 360  
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cgtattgata tctaagccaa gagggcacgc taacataccg cagctcttcg ccattgtaac 480  
gcaggtcctc tgtctctgta agttgacgtt cccttcacgc ctactccacg ccagttctat 540  
ggtcatatag atctcattgc tcaactggtag aagatggcta cgcacacggc ggaatcgagc 600  
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<210> 7207  
<211> 521  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 7207

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aatcaggcct ggaaaagcta tacaggaact aattaaactc tctgactcct acttctcca 240  
gccagttata ctagctggta atttcaacct actacatagc agatggcagc cctcccttca 300  
gcaaagcacc tctaccttgg ccgaagcagc atcagaatgg cttgacagac ttgggttagt 360

attcatctct gagatagact ccctacaca tgatagaggc aatacccttg atctagcctt 420  
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<210> 7208  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7208

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 cagtaagcca ccgttcctct ccatatcgca tacctctgat tgatttacct ctatctttta 180  
 catctttttt atctaatttc ctttaatttc ttcactctat tattatttca gatattttac 240  
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 ttccattatt ctaaattcat tttatacaca cttttctaac ttattctc 708

<210> 7209  
 <211> 654  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7209

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 tctggggcct ccctccctca gtttaatgca ggagcagttg atcagcatgg tgaaccagcg 180  
 agcactggtc ggcccatatc gtacgtgatc gaccagcctg tggatataag ctactatca 240

ctgaacgatg acacggaaga atccgacacg tacacgtaca taccgccgga tccgagatca 300  
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gctacacaag ccacgtcggg cgtgccatct atgaaactac tctctaagca atctacggaa 420  
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ctggacgttg tacggtcaaa gtttgtggat aatgagattg acctagacac actggactca 540  
gcgttcacct ttgtcaagga aatgccatct tctgaaggca aaaacgcgca acagctttgt 600  
tgcgctcagt ctctatgata ggcacaagtg gactgtaaat gacagactga tgat 654

<210> 7210  
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<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 7210

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aggtctcatg acctgcaaaa gctccccga agcaccggcc atcctcctag tcccccaagc 180  
ccccccgacc gccacttcat cccccacca tccccctacc cccccctcat ccattctccc 240  
gcgccccacc cctccaccg cccccctcct acctactct cccacccac cccaccccc 300  
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attctccac cctcccatcc tccccctccc cccacacacc acccaccac aaacccccct 420  
gccactccc cactacaaa cactcagccc cactccttca ctagcaccta cacaatccct 480  
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<210> 7211  
<211> 1087  
<212> DNA  
<213> Aspergillus nidulans  
<400> 7211

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gtccagaata tgatcaatgg ctattactca cagtcgatgt aatatttaag tgatttcacc 180  
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aagccatcca cgatgatcca catccaccaa acaatgacag cgccaacatc atgcttatcg 480  
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gggtggtt 1087

<210> 7212  
<211> 608  
<212> DNA  
<213> Aspergillus nidulans

<400> 7212

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gacatccatg ccgtgttccc caccgatagc ccgtaaaaga ccacaaacca gataatgaat 180  
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tcaacatgga tgaaactgaa agccaccgaa acagctatca ggccggcgct cattccccag 300  
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gtcatgatca ggttcgtccc agccacaacg aggccgacgc gtgttggact ggtgaatccc 420  
 accaacgaga atatcgtgga ggagtaatac atcagtgtat tgaatccaga aatctgggag 480  
 aggaccatta gcccgcagca cagagcagag ctcggaagtt gctgggaact gtgtgcagcc 540  
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 ccagaatc 608

<210> 7213  
 <211> 492  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7213

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 gaaagaaaaa taaaagaggc acccaagggg ccggatttgc tatttcttga tgagggctgt 180  
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 tcctaatact tcttcttctt gttattattg ttatttatta ttttttttct ctctttattt 420  
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<210> 7214  
 <211> 497  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7214

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 agatcctcgg taccctggac tcaacaccat gcctctctac tctctactcg aggaacctca 180  
 agtacagagt agtatgatcc tcaaatatgt aatgctgaga tcggatcctc gatctcatgg 240  
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gttcgtcttg ggcgtcatcg agggtcgcat cgagtcgacg tcatccacct ggtttcctgt 360  
tcttaactgc tgaaccctc ctctgtgtct atatccgtta tcattccatc atccaaggag 420  
gcactctgca tttccgcca tagttcggtc catgtctcct ttctctgggc tggaggacc 480  
atacatacat aaccgca 497

<210> 7215  
<211> 113  
<212> DNA  
<213> Aspergillus nidulans

<400> 7215  
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ctcacgtctg gttaacagcg cactatctta aatgacagat acagattgct aag 113

<210> 7216  
<211> 486  
<212> DNA  
<213> Aspergillus nidulans

<400> 7216  
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caccgccagg aacgccgtg cctgcccgtt cgctacggt cccggcgggc acgcacttcg 180  
acatatcca cgagtcaaat cgctccagca tcttgctcag tccacgagca atatgtcttg 240  
tcaaatgtct ctgcgccga gagacgcagt tcaacagctc aatcaccgc tcgactagac 300  
ttcgacaag ccactatcc agactcaggt acgccaggt ccagttaact gcgacctga 360  
gaaggaacag tgcagaaaac gtgaccatgg tgtgcgtgaa gatgggtacc ccgacaatgg 420  
cgtcacggat atcttgttct tctagacca tgttcaagca tgccatggcg gatgatatag 480  
cgatgt 486

<210> 7217  
<211> 101  
<212> DNA  
<213> Aspergillus nidulans

<400> 7217

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aaataagaat caagcagaat cgttgcaatc atgaataaat a 101

<210> 7218  
<211> 993  
<212> DNA  
<213> Aspergillus nidulans

<400> 7218

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ggaaaatgcc caaagactgg tgttccttag attgcacgaa ccagcaaccc ctttttgctg 180  
ggacctgggt cgtgccgtta tgtccacttt agcgattgac tacaattcag atcaggtggg 240  
ggcgatgaag ctcttgtatc gatgatcctt aaggaatttg atttaggttg cccgtgccgg 300  
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agattgccag gcacaattgc cagtgcaccg gtgtaccagc ctacttcagc aaagcagcct 480  
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agcaagaagg cagcctgcga gtgaaaatca agccgggatg gatcaggtga cttctacgag 780  
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<210> 7219  
<211> 813  
<212> DNA  
<213> Aspergillus nidulans

<400> 7219

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cggtaactcg accgattctc gattaccaca atcgacgacc tcgcggggcg cgaaggtggc 720  
caacctgaaa ttgacaaggc cctgaagcat gaggtactat tctaccatga tgttgtacta 780  
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<212> DNA  
<213> Aspergillus nidulans  
<400> 7220

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 aaccataatc tgttcgcac aagagagaac tcatcaacgc atatcttctg attgacatga 840  
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<210> 7221  
 <211> 510  
 <212> DNA  
 <213> Aspergillus nidulans

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<210> 7222  
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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 7223  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7223  
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 ccatcaaaca taccagaaca caaca 145

<210> 7224  
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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 7225  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 7225

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 <213> Aspergillus nidulans  
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cgggctggga aaaggaagac ccagaagagg aagaagaagc gtctggggat gcaaatggta 240  
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<210> 7227  
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<212> DNA  
<213> Aspergillus nidulans

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ttggatcagg cctatccgt 1039

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<212> DNA  
<213> Aspergillus nidulans

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tgtgatccat tctttatctt tcgagtctag cgcacgaga tattcttggt tcaactggga 360  
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<210> 7229  
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<212> DNA  
<213> Aspergillus nidulans

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gggggttgat tggaacaaaa cgaggaatct gtcagagagc gaatattaag gaaaccacat 480  
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 gcaggcgaaa gaaagacgaa cagacacacc ctggcaacta tagcatgact agatataact 600  
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<210> 7230  
 <211> 673  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7230

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 gcttaccaaa agagcaggcg ggttgacaag atctttaccc gctagtgtca caacaaccgc 180  
 catcaacatt gcttctgatg gttccacatc gggcccggca gaggagcaac cggacccccac 240  
 gtcgtcagga aagaccgccc atacagatga taaagagata tcgaaggata caagcgcgat 300  
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 caacctggat gcggcggtaa ctcaacctgc tgggtggctc tcctgggtat acgtccatt 420  
 cgtatataat aagaccacag caagctattc gaccgcggaa acaacaacgg aacaaacggc 480  
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 agagccaagc ccggaacaag acaaaccttc tgaagttaca gaaatcacgt caacatcgca 600  
 gaaacgctcc tggcttcaga tgtggtacgg ctcatccccg actaaagggc cgacgattca 660  
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<210> 7231  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7231

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 gcgaagcaag tagcgagtcc gcacggtcac gtgatgtaga caattaccta ttttttccac 180

acaaatctct tcccactaaa atctgtcaag ttgataccg tcaaaccacc agtcttcctc 240  
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 cttttcagga gcgctggcat attataatgc ttctgcagta gaagccacga cagcttagga 540  
 ctgcgagtac cggcttcttt caagtctccg gacgtccact cgtttgcctc aatgtgccgg 600  
 cagggccaga aatttaatgt gcggcagatg acaggacat gccattaaac catgtcattc 660  
 gaggttgaac gtttctagta tatgtacta gtgcctgtgg cccatccggc agtttacgcc 720  
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<210> 7232  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 tacacctctt ttgaactagc ttatttacgt aaacacctct cgggcattta accgatactc 240  
 caaatcatct ggggcagtcc ggaaaagcac cttggctacc tatcacgtat cggtttcgcg 300  
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 atggcttagc acgacggaaa caccgcggga cagtatttcg catcgaatgc cgacgaaccc 480  
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<210> 7233  
 <211> 1294  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 7233

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<210> 7234  
 <211> 631  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 7234

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 cggtaagtct ggctgagcct gcaccacgac gagggactgt gcggcgtcga cttcgtcgac 240  
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 ataccggcgg ttgtgtgaca gtcagctttg aaaccttcga agatgagacc gaatacagat 420  
 ttctattttc agtgagtgt actctctatc tcatggatct actgtacttc tatactctgt 480  
 gcactgcgac tagtatatat ctctagacg cgacactgac ggtgaagctt caagcacacc 540  
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 cactggatcg atggtcgatg attcgtgtcc g 631

<210> 7235  
 <211> 704  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 7235  
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 tagccgtcag tgagggtctg gttgttctca atgaccacgg accgtgggat cagccaacct 540  
 ccgtactggg cgatgccgac ctcgatggca gcctgcattc cgttgaactg ggccagatag 600  
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<210> 7236

<211> 811  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7236

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gcccgaactga gtagtatggc catttcgggt cggttggcgc ttcagctgca gtgcattcgc 720
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gcatatcgag cagtatagac tggacaggga g 811
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<210> 7237  
 <211> 184  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7237

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ataggcccct gtgtctaate actgccaggc tcaattgtat gatacacgga catcaagaca 180
tcgt 184
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<210> 7238  
 <211> 602  
 <212> DNA

<213> Aspergillus nidulans

<400> 7238

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cagtgaaatg aatggggacg cgtggccttc atttttagatt gtaggtaacg ggctagcaag 180  
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<210> 7239

<211> 744

<212> DNA

<213> Aspergillus nidulans

<400> 7239

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aaaaaaaccg aagaaaaaga gcaagaatac gaaaagaaga aaaataaatg gcaaaaaatt 180  
ggttctggta ggatggcgga atgttgagcc tggacatgac aatatcagat tgtcttaagt 240  
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gatttogaat ccgchgctct ccgatgcaat gaagthttatt thtgthgctg cacagagcaah 600



gcctattatt tcaaaccaag cgctgttggc aggatcaaaa tggcctgagc tgttggcgag 660  
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<210> 7240  
 <211> 150  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7240

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 ggtctgggga agcgagattg atatattagg 150

<210> 7241  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7241

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822

<210> 7242

<211> 1530

<212> DNA

<213> *Aspergillus nidulans*

<400> 7242

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gataaaatca gcgtattaat gccgtgccct acccgctgca ggccggaggg atgtccccac 180  
catatgttaa aggaaccggg catattaaca ttctgtcgtc actgaactga aacgctccca 240  
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tgagatgtcg ggcctttcgg ccggagggtg gtgggcacta tccgaacatt cccgatgtca 660  
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 <211> 207  
 <212> DNA  
 <213> Aspergillus nidulans

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<210> 7244  
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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 7245

<211> 566  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7245

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caaccaacat acgtttccga gccccccagc gggcataaga ggagaaaact aagttcatgc 180
tcaatgaaga aggagccttg tcaaataaaa gagaagctag aggagaaagt cgaataatctc 240
ccttcaacac cacgaaagct ttttaaggaca gaaataccat cttcacaatc acctgaaagt 300
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cgtccactca tcttctcaaa agagaccctt gtaaaggagg aaccgcattc ctcgctcgag 420
aaaggcgatg cgcttgagat cgcgagatg ccgctaaacg acaagaacca gtcagttcat 480
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<210> 7246  
 <211> 1072  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7246

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cgtcgtggcg tctcgtggcg tctcgtagtg tcgatgctgc tattggcttc ataatgctgt 180
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gagtccattg taatccatcc ctagattatt tcattcgttg gaagtcatga tcaccatcca 660  
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 aggttggcac accgctactc tagaatgagc agatgagccg agccaagaag agcggccttc 780  
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 aacgatagtc ctgttatgct gcggatttcg catatatcac acttagcgct ctccggcagc 900  
 ccatctcatt ttattcacc cttatttttct ttttcttttc ctcaccctt tttattctct 960  
 ttatttttta ttttcatttt atataattat tatataatca ttacttacat attttcctct 1020  
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<210> 7247  
 <211> 174  
 <212> DNA  
 <213> Aspergillus nidulans

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 tcgcagtacg cgtgcggtct ggtcaagatc gcgtgtcggc ggtctcttga tgagcgcttc 120  
 tgctcgcggc tctccagcaa gtagttatta ctgccagcg tcgaggttgg ccta 174

<210> 7248  
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 <212> DNA  
 <213> Aspergillus nidulans

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 gccgctccct gcttcccctc atccttcaag cgttattccc agcgcccccg atcgtgacgg 180  
 ggacgcggta gaaccagccg actcgaatcc aggcgagatc agtgccaacc ctagttcagc 240  
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gtccggggta ggcgcgtacg tggatatgaa ttgcaagatc cgaacgttgg aggtgcggtt 540  
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aagagtgttc tatgtatgtt atgtcccagc acaccgtaac tgaccgtgaa gctaaccat 840  
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<211> 243  
<212> DNA  
<213> Aspergillus nidulans

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ctcttggtga ctgaccccaa ctggctcgct atgtcacaag acctgacttg gatgccaatg 180  
cccatcatcc tgatcgcaaa tcaaaaagcg tttgcttgac cgcgtatgtc caaggctggt 240  
cca 243

<210> 7250  
<211> 951  
<212> DNA  
<213> Aspergillus nidulans

<400> 7250  
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tcacgagata cgaagctact cggccgactg cacagctctt aatgctgcga gtcccagcat 180  
tctacacggc gaacggagtc ggcttagcga ccgagacgac cgagctctcg accgactgaa 240  
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caaggtggaa aactccccgc acgcccagc gagcagctcc tatgagctcc cagtgccgcg 420

gttgatcgcc cgggcagttt cacctttcgt ccgtcatact gaagctctgt caccgacatc 480  
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 cctaacatgt gatatacata tatggatata tcccagctcc ggatcgaccc cggaatctac 720  
 gcgctgaccg agttcgggat cgaacgggtc atctgtcaac cttcagcctt gtcttccaag 780  
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 tcctatatca agtcagcata tgccattgaa cattccatta ggtagagcat accaattcgt 900  
 tacggtctct ttccacaagc gcagttcatg tttcccaggt ccaccaagt g 951

<210> 7251  
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 <212> DNA  
 <213> Aspergillus nidulans

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 atatcgtcca gggttgacag ggtggtaaca ctctctgcca cgagctgcag gaatctcaaa 180  
 ttagggcaag atcacattga gcgttcagcg gggagtagta cgaaccgagt cagcacttct 240  
 gtagggcgag ctatcggacg ttgcgtttct tgaatctgta tcgtagtctg agtcgatgat 300  
 ctcggtggtt tccgacatgg ccgatctgga acgagcatgg gataacgata tggtttcaag 360  
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882

<210> 7252

<211> 477

<212> DNA

<213> Aspergillus nidulans

<400> 7252

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tcattgggcca agcgcgctgc atctggctga aagtgagcag tggtcagatg agcaagagag 120

ctgctttgaa agtagtcac c aagttcagcc agttgaacgc aaaacgctgc tggcgggtacc 180

gattgttggc ttcccggatc gtcacccccg atgactctgc taggatatcc atctctacag 240

tatctatgtc gtctgtgacg cgcacaacgg acggtcggca tagcatagtg agatgtgtgt 300

agtagttcag gtcaaaccag cttttacaga gatgggggga ccttggactt ggctcagagt 360

aaggggaagg gcatactacg gcgcccttca atgaggcgtt tgtaaaggat ctcttgggta 420

tttgtacttg ggcgtcggca gcactggaga gagctcattt tagatcctat catgctg 477

<210> 7253

<211> 646

<212> DNA

<213> Aspergillus nidulans

<400> 7253

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gggattccat ctgacattca agagcttctg atcaacgaaa ggtcgacacg aggccgcacg 120

cccaaataat cagctagccg tgctgttgta tcagccctcc ataaagccaa atgaccgtcc 180

agccactcaa aagatgggtc catagacccc accatatttt gcttttgta acgagacgtg 240

agcaactcca tagagtccat ccgagtttgg cctggcccga tatccaagga gtacgaggtg 300

gataatccgt cttgagctgg aatgggtacg aagagtaggc atggtcgaga attctcacac 360

aaccggccca ggtgaggtct aaagatggtt attgttctaa gacattataa acagtgcggt 420

tgagttgggc tttgaagggg aaaaatgatg gtatgattct aggacaaagc gtagcctcgg 480

cgtaagtata gacgacacca aatatagcgc aataccattt atgcagtggg cgctctagaa 540

gcattcagaa tgcagcaacc gttgtcggct cgcttaacaa gatattctac ctactcaata 600



accatctata catacggaga aaattgogcc ttacacaaaa tttaac 646

<210> 7254  
<211> 110  
<212> DNA  
<213> Aspergillus nidulans

<400> 7254

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tgggatgatc caagacggta agtcctgcct atcttggatc tgatcgcagc 110

<210> 7255  
<211> 1082  
<212> DNA  
<213> Aspergillus nidulans

<400> 7255

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aatcagaccc agaattgaaa tcccaatacc acctcgaagc ctatacaact tactatccgg 180

ctggctttga cacacgcaag aagctctctt tatcgctatc cgcaattcac gccccactgc 240

ccggatacaa gcagaaactc tccaagagca tggatcgggt cttcgaacgg cttgaagtgg 300

gcaaagcagt tgtgcgctg aactggagta ttatgccc aa gggcatgggg ctgtttgctg 360

cgtttgagg gttgcataat cattccccta atgctgaaag agggaatgaa aaggtggaaa 420

agttacatcc ggaaagcttt gacggagaag acacgttcct ccgatgagcagg aggcagacgc 480

tacatcggct tccgaacagt aaggcgcttc tgtttgcggt ccatacgtat acgtatccac 540

ttaaggatgt caaagaggag gggctgggtg aggagctggc gattgagata gatggactaa 600

aggaaggcag tgtgccggag atccacgagt acaagaacgg gccatattgg ggagaagctg 660

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ct 1082

<210> 7256  
<211> 100  
<212> DNA  
<213> Aspergillus nidulans

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gtgcacaccg aaggcgaaat cagcgagggt ggtgcatgca 100

<210> 7257  
<211> 112  
<212> DNA  
<213> Aspergillus nidulans

<400> 7257  
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cctcgaggcg ggattgggca tcaatgtatc cgcacgcatc tcggtgcaca gg 112

<210> 7258  
<211> 548  
<212> DNA  
<213> Aspergillus nidulans

<400> 7258  
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ggtcgcaaaa tatagagcct gctgttccgg gaaggacgca tagaccccag actgcatcgg 180  
aatggccatc cagagttgcc ttgggatcta ccctgcccct ttcccagact cgtacactag 240  
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tcgcaggaat aaaccaccgc ttgatcggtc cgtcatcgct gcagggtgcat atttcaggtt 480

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<210> 7259  
 <211> 732  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 7259

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 aaccttccat gtactcctcc atcgtgtccg gattaatgcc caccgcgacg atgttctctt 180  
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 gtgcatcaac aggggaacttg tgcaggacat agtaatcggc cttgtacttc tccttgacca 360  
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 cttccagcat ttcgtgatag tgctcttcga tcgacatctc gatatccaga ccagtgtact 660  
 ccgtcaaatg gcggtgcgtg ttggaattct ccgcacggaa aacagcaccg atctcatatc 720  
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<210> 7260  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 7260

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 cttttcttgg acgggagcct tctttggagg catcttggat ttctttttct tgctggaggc 180  
 gaacgggchg aagtcaagag agaggagagg tgaggagaac gaaacaagtg gaggggcaga 240

cgaaggggag ctcaaggaat aacagaaacg cgataccgac gcaggaccag ctgccgaccg 300  
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 gctcccaatc gtatccatag aaggg 865

<210> 7261  
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 <212> DNA  
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 tcggggtcct tgcggtgaagc ctcggtgatg tccttcagga agacggagcg gatgatgcaa 900  
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<210> 7262  
 <211> 603  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7262

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 ggaggccgcg tacaggccgc atgtaggcag ggcattcttg ccagctacgc tgctgacgtt 180  
 gacaatggtc gcgcctccgt tcttgcgga cgcgaatgtc ggcaggaatg agcggatgag 240  
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 gttagccctc agatcccaga gacatgaact ttccctcttc aggagaaagg gctgtcattg 360  
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 cttttgtgac gtcgaactcg aggacctcgc cgcctttcgc tttgattgca gctacagagg 540  
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 gag 603

<210> 7263  
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 <212> DNA  
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<400> 7263

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 gaagccttga accggccgtc agccagcttc tatccaccct agctggcccc tatcacgcca 180

gaaaccccggt ggtcttgaag ttttccatct ttctggaacc tcgctatatt tatatagtgt 240  
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 cacttcttca agctagggct ggacctcgca tgggcctccg gccctcttta tacgacttga 1080  
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<210> 7264  
 <211> 1527  
 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 7265  
<211> 569  
<212> DNA  
<213> Aspergillus nidulans  
<400> 7265

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ggtactcaag ccaaagtcga aagtacagat tgaagttata gctgtgttgt ttgggggtca 180  
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ttagtggttca atctgacgat ggcaaagctg tcagggagcc gtaacgatag cccatatgcg 300  
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 cttttccaga ttccaagacg atgcgggtcac cgttgacgga cgccagtaac agaatacaaca 420  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 gattcaaatg taatgaaatc ggaatgaaaa gccagtgatg ccgagctgaa tcggcatacg 180  
 cgactcgaga ttgagtcacg ggccctggcgt attgcgaggg gcgagacgat cgggatcgcg 240  
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<210> 7267  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 caccggatca ccgcgagggg cgagcgagcg gatagtgaac tcaatataga gtagcgacaa 720  
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 <211> 534  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 ggaagaatg tcgacatttg agatggcgcc ttactcatg tcgaggtcga attccttcat 180  
 ctgtttgaag ttgaaagga ggatcttctc gcggaatcgg gaaacaaagg ggctgttgg 240  
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 caacctgata cttaccacaca ttatcgcgca gactccgtag gaaatctcgg gcagtaggcc 420  
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<210> 7269  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 aaatatgggc cggagccaaa ttaattttta aattgccaa aaaaccattg gccaattaaa 180  
 aaaaaaacc taattttcgg ccttttgcaa tttccgggaa ccgggggggg ggttcaaaaa 240

tccccaaagc cccttttttt taatccccaa taatttaact tttccaaaaa tccggtcccc 300  
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 cttctcggca aggccaatta gtaagagtca acctgaatcg ttaagtttgc caacgggaag 420  
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 gcatccgaca gtcaacagga attgacgttt tgacaggccg gaagagtgcg ttgccaaagc 660  
 caccctccga ccgtcgtcgg cgtaattctc tcacggaaga agatgccatg ctcagatcat 720  
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<210> 7270  
 <211> 681  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7270

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acgggtggat ttcacccgga agagggtttt ggactgttgg acgaaactct ccagcgtggt 180  
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tgtgttcacg agctgtacac cgttagctgg tgcacgtaa acaggtatgt ctgtgttcga 300  
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<210> 7271

<211> 931

<212> DNA

<213> *Aspergillus nidulans*

<400> 7271

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cccagggtg gccgagacca ttcaggctga gagtctgac actctagagc ctggccgtta 180  
cacgaatcga gggatccacg atcgggtccgc cgctccactc ctgtcaatag gccggctggt 240  
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gcatcgcac gcattctatc ttatcaactc atcgactcac attccaacat ctcatcattc 600

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 attacttgac gacctgaccc agcctaactc tctggctctc gccacagtt gctgccgctt 720  
 gccttccgct accgaaccag ctatcagctc atggcgtaca tgtctcctga tccccgtctg 780  
 gccaatcgt cctacgacag cgccatcgac ctcttctcc tcaacactat gatccccgag 840  
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 ttcctcggtg ccccgacaga catcaacggg t 931

<210> 7272  
 <211> 727  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7272

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 cgctgacgcc ttctgacctg gcgctcaaag ttggccttgt cattctcatg ttttccatac 300  
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<210> 7273  
 <211> 1104  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7273

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 ctctacctcc cttctatcaa tcaactctcat ttagatacag tccatattaa acctttgcat 1020  
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 <211> 730  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 7274

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<210> 7275  
 <211> 1460  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 7275

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<210> 7276  
 <211> 895  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 7276

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tcttgtgagc atgattgatg cataccctga taccctcggg gatagtcata ccaggtctgt 780  
 ctttcaaaga gttagggatg ctgccgctgc tgagctggag gatgcggaca cccaggacgg 840  
 gaatattgga ccaatacatg gcgacttttg gtctggaaag tatgcgaatc tccta 895

<210> 7277  
 <211> 525  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7277

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 gttgcctgaa cctctatcaa atgtggggaa attttcgata gcgaaatcgg cgggattttc 180  
 agcgtgcccc tcggcaagac ttgactcact actgagtcac ttgctctctg cctatcttta 240  
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 tgccgaaaca gttccattgc aggaacgcct cgagcgttgg gctcagaggc tgcaaacct 360  
 caccgtctcc ccgctgaccc gcgactatcc cgacaaccag aaccaggagc tacccaagcg 420  
 ggccatcgaa gctttcgaat cgctcaaact tccaatgag acggcgtcac agtgaagaat 480  
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<210> 7278  
 <211> 845  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7278

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<212> DNA  
<213> Aspergillus nidulans

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<210> 7280  
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<212> DNA  
<213> Aspergillus nidulans

<400> 7280

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<210> 7281  
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<212> DNA  
<213> Aspergillus nidulans  
  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 acatatccat ggaaacgccg ccattggcac cgccgaaaga gaaccaccca ggctgttggt 900  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7283

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<210> 7284

<211> 975  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7284

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gatggtgtga gaagggaaaa ggtatctacc gttgaagctg tacttgacac tacagttgca 780
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7285

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ccgcgggtat aaggaggacc ttcttctcgt ctttgcatag tgccgatata agttcaagtc 180
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<210> 7286  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7286

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<210> 7287  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7287

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<212> DNA  
<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

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cggagaggtc acttaccagt tatctatctt actatcatgt atttagccta ctgcctacgg 360  
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<210> 7290  
<211> 402  
<212> DNA  
<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

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ggcaatgttc aggacatact catggtaaac agaaagtacg tattctggga gttctatatt 180

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<210> 7293  
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 <212> DNA  
 <213> Aspergillus nidulans

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 <212> DNA  
 <213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<210> 7296

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 <213> Aspergillus nidulans

<400> 7296

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 <213> Aspergillus nidulans

<400> 7297

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gtagaatctg gcacctgcg cccactcctc taatttcgcc acatgctcta gcttcgaacg  240
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<211> 550  
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 <213> Aspergillus nidulans

<400> 7299

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 aggctgctgg cagaggtact gtgatggacg tagaagtcgg cctcacgatg gggactcagt 480  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7300

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7301

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<210> 7302

<211> 100

<212> DNA

<213> Aspergillus nidulans

<400> 7302

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<210> 7303

<211> 1376

<212> DNA

<213> Aspergillus nidulans

<400> 7303

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 <212> DNA  
 <213> Aspergillus nidulans

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 <213> *Aspergillus nidulans*

<400> 7305

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<210> 7306  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 7309  
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<212> DNA  
<213> Aspergillus nidulans

<400> 7309

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<210> 7310  
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<212> DNA  
<213> Aspergillus nidulans

<400> 7310

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 gcagagctcc ctgaacagat aaatgacgat gttggagctg cagctggagc tgaggctggt 660  
 gttggatgct gggagattac gccgataagg cttcactgcg ctaaccgggt ctgggcgcaa 720  
 gtagtgacgc acctgcagct tggccccatg actagtgcga ggtagctggt ttatacccat 780  
 gtatggactg aacaaaggta tcatattggt aaaacttcta taaaacatag ctcacaaaaa 840  
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<210> 7311  
 <211> 482  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7311

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 ttctgcctag aatatcttct ttgtcaagcc catccagcct cttctgcaag tcccgctgc 180  
 caaccgtcct gacttgaact ttctcccta taatcctctc aatcgacgca ataacctcat 240  
 gaaacgatct cgtatctcca gccatgcca actctcttcc accccaaggc tcctcaatcc 300  
 ccaatgcggc gacaatgaac cggccaacgt cccggatata agtcacgta agcttgggat 360  
 attctccctc gtccgataga gggacttcaa tccatccacc gtctccatcg ccattatcgc 420  
 gacgttgatg atcatgatgc tgaccacgaa gatggaaaat cagctcccct tccctgaacc 480  
 ct 482

<210> 7312  
 <211> 572  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7312

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accgggtacc tgtttccata ttcagacctt ttcagattct tactatatat aatgcggtat 180  
ataagtcata acatggatct ctgggtgatg tctctgctct tggctatagc caccgcgacc 240  
acattcgaga agcatgactc acccaccgtg ctcttagcac cggcattcat cgaggcacgt 300  
atcctcctga tcccccgctc ctgacgaact aacaaaaacc agcaagggtg ctactggatc 360  
aacatctctg tggggacgcc gccacaacct ctgagcatgc tgtttgacgt gaacgcagtg 420  
tctctgaccc tcatgtaccc agtcttagca cagccgccgt gcacggagga gtgccaacag 480  
aacctgcaat ttggatcgtt tgaccctctg cggtcacga gctacaagtc gctcgaagac 540  
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<210> 7313

<211> 664

<212> DNA

<213> *Aspergillus nidulans*

<400> 7313

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ccgacggcag gggacggctg acgaggcggc gaatgtagtt gttttcctgt tgagtcaggga 120  
gagctcgttt gtgaccgggg cttgctattc ggtggatggg ggtggattt gatggtttct 180  
tgtgattatt tctccagtta tcggtccatg atgatctagt taagagctac ttcttggtgg 240  
tcagcgttga gtaggttagc gaagaatcaa ggcttgcatg tcgctcctc ccttagagag 300  
aagataatgg ttcgtttatt tccctatgta tgaccctgga ggctcattga aagtgggact 360  
ccccttattt cttgggattg gcaatttagg tctagcttcc gctcttcata ggatggaagt 420  
attattacat agtataattg cggactgtat gcgttcccat ggtctaccat ggtgtctaga 480  
aagacttgta cactaccgat tgtcagaaaa ggaaaaatct actgaagtcg tggttggatg 540  
gcgtaaaagt tgcgataacc ctgataaaaa ggctttctaa gaaccacact actaggaagg 600  
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tctg 664

<210> 7314  
 <211> 439  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7314

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cttgttgacg gcggccaggt catcgcgctt aattggggtc ggtgcgctga gggcagcggc  120
gacgagggcg aggggtgacgg cggggagctt cattttgatt aagatgagtt gatcaagaaa  180
gtgatagcga gagagttgag agtaagcacc gctttggtga ttagagcgaa ttaagaggtt  240
ggattaaacg atcggacgcg cagcgaacga aagaagtaga acgaattgag aggaagttga  300
acgagctgga agatgagatg atgggcagga gaacgaagag gtcgacctgg tttatataga  360
catcgttagc ggattagtcg gcccaaatca gaagcactgc catatgctta ctgatctctt  420
cccgcttagg tcaaatggc                                     439
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<210> 7315  
 <211> 482  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7315

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aacgcaaaga actctgaatc cggagtagac tatcacccat atccactgct gaaggtttcc  120
aagccgcaac ggtagtatta agcacacgct aaggcgctgt aagactagcc accagagcca  180
agatgaacga cgccaaggat cgcagattcg cggtggtcaa tcgcaaacgc agaacatccc  240
tcgcaaacga tccgaagtct tcttaggtaa catcgctgaa ggtttcccga ccgagatgcg  300
cgatcgtcgc ccgtctccag atattttcca cgttgaatgc gaccatcgat tccccgacat  360
tccaggatcc actgcatgca cacttctgaa gaggaagaaa gagaccagaa aatatatggt  420
cacgtgtaga acccagcctt actaagtcct ttcggctggt tccgggctct gggcgccccg  480
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<210> 7316  
 <211> 560  
 <212> DNA

<213> Aspergillus nidulans

<400> 7316

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aaccacagac ttgggacttt gcgatgggag cttttgaaga cttactcctt accttggtca 180  
aaaaatatgc tgaattgctt aaaaaacggt tcagcgacga ttttcaagag gtaggggatc 240  
caggaattcc tggttcaatc ctgctgctga cattccaaag atcgtttcta ccgatgatta 300  
tatgccaatg ccgattcaga cgcccgagga attcgataag gtactcaacg taagctggta 360  
tacaccagc gaaccgcagg aacaagcgta tgtgccctcc acattattta catctaattg 420  
tatactgact catcagcttt cctgcgcttt tgccattctc tcaaattgtac ccgttatgct 480  
gcattgatat ccgcaatttc ctcaatcaat tttatttttt tgcgaacgac gacttcacaa 540  
accctgatat aatcgacgcg 560

<210> 7317

<211> 747

<212> DNA

<213> Aspergillus nidulans

<400> 7317

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acttatcgac aaaacaaata ctgccacacg ttcagtccat acccagaccc aaactcctca 180  
tttctcatta atattgcata cctcattccg aatcgctttc taccacgaat ccagcccgca 240  
accgtctacg attaggcggc gccaaaggga tgtcttcttc agcgctctcg ctgccatcat 300  
tgtgctttct agggctggac gcatctgcac cgtctctgtc gacacttgtc tcatccttgt 360  
ctcgggtccc gccaaatgct aggtcatcgt cgaagtaaag ctcgctttca gctgcagcca 420  
tagatttgtc gatggcatcg gcatcattag acgagtactc accggaagag gctcgcgatg 480  
gcatctccat atcatccata agtatgtcat ctctctccag ttccacattg gttccaccac 540  
tgtgtctccg tcgctttccg ctagtctcct ctccgccagc aatgttaggc tcatttgagc 600  
gctttcctcg ctttctctgc cttgctttgt ttctgcgtc ttccggttctc ccaagcagca 660



atgccttttt gatccgctcc gattgctcgt tgcgcctttc ttcttcaaga cggaagagct 720  
cttcctata gtgatagacg tatttgc 747

<210> 7318  
<211> 115  
<212> DNA  
<213> Aspergillus nidulans

<400> 7318  
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gttagatgga gatcgctggc cctgaagcat tctcgccacg tacttttcat cagcg 115

<210> 7319  
<211> 707  
<212> DNA  
<213> Aspergillus nidulans

<400> 7319  
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acgcccctag ggacgtgttc acggacgatg aattgctaaa taggcccttc gcgtcttata 180  
aagtacgtaa gggcaagctt gtctctgcta atgagcgccg ccgcagtcta gaggatgcca 240  
tgttgcccga cctgacggag gatttgaact ccgagtctta tttcgaggca ggagtgggta 300  
acgacttaac aagcccccca ggatcgctctt ggtcgcgttc cgggacttca ggattccggc 360  
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cgcgtagccc aagcgagcca agcatcgaca gcggcagtgg tagcaacgca tcaagcgtag 480  
cgcctccatt tctgtccca atccggctca gctcgaggaa attccctcaa accgggagcg 540  
atggacgcca gagcccaacg cccacgtctc gcaacttctc tgatcgccccg cgcccagca 600  
ttgttcgccc tctactactg cgacgtgtac gaacggcggc tgccatgtct caaacggagc 660  
aggcaagccg accgaccccc cggtcatcac cagctatgtg aatgtcc 707

<210> 7320  
<211> 679  
<212> DNA  
<213> Aspergillus nidulans

<400> 7320

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ttgttcacgc ctagaaaaat cggcgacggg acagtaactg tatgttttaa ttgcgataga 180  
agttgccaac gtcatgccat ctataaaaat ggagtgggat gttcgtgtac gcagaggcac 240  
tgcgcatgtg tagcaaggca tattttttaa tgtttcatgt cattgccatt aatactaaca 300  
ttatatcgat gtaggtaaca tacgactgta cgtggcttca agtgccttag aaccaattag 360  
atggcactag gaatgttgta gtatgtataa gacagctgta gctatctagg ttctgtgtgg 420  
gtccatactg gtctaaccct aattcatcag gatatgtatc acgcattaca ttgcaattcc 480  
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ttcaacattc ccttcctcca actaatgctt ccctctcact cgtccttctg tccgctttgg 600  
caggtaccaa gccaccaacg agacggcaaa tcccttggga cgcctcactt tcagggctta 660  
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<210> 7321

<211> 499

<212> DNA

<213> Aspergillus nidulans

<400> 7321

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agatttacia agaaaacttt tccccgttgt ggccattgct gagtggaaaag gagtttgact 180  
ccagcgaact tcaccccttg ctctttctga ctgttgtttc gattggatgc atgtatggga 240  
cctcccaaga atgcaatttc ggaaacaagc ttcacgaacg agtccgtcgt tgtctagcgg 300  
catctctgat tgggcttgag gatgetgaag gcgacatact ttggctcggg cgggcccggc 360  
tgttgactca ggtcgcggct ctatattttg ggcaacggcg ggctttctct tacgccaac 420  
acgttggtgc gataactctc gcacaggcac ggcaatgga tttgttctct accgtgggcc 480  
gtcctggcat gactgggga 499

<210> 7322

<211> 702  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7322

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cttagagagg gaggagaacg aagagcagga gcagcttgag cgagataaaa tggcagagtt 180
ggaggagaag atgctggatt cgaaaagga gatggcaatt gcggatgcat tggacgagat 240
caggacgaga aatgcgagaa ttgagcggag tgaggcactg ggtgacgaag cggcgcttgc 300
gcatgtacag gaacaggtgg acgagggcggc gttgaaggct cagagggagg atgaagaagc 360
tgcgcggaag gcgtttatga cgacgacggg agagaagggtg aagagattgg tggaggacga 420
gtcgacgccg gagcaggcaa caatatcagc gccacctcca tccttcacac gggtaagaa 480
ggcgaagaag cctctggcta ataccctagg tatcaagaag aagcccaagc cttegttggg 540
atgacatgta tgatttcttt acgttttgta ctggcggtcc actgggcatc gatatgtact 600
tctacgatta gagcagcata tccaaatcaa tcgatattat gattattcag ctaaaccata 660
catatcaaaa gcagacgagc tcagaaatag cgcgcaagga aa 702
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<210> 7323  
 <211> 664  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7323

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cccccaaatt cttggccaaa cttatacctg ggcatgtcaa ggtattgatg taggtaacag 180
tggggaactc ataaaccgct tacactaggc tgaaagcaca ggatcgtcct attgagccca 240
tgatcgtgca acgccagttc agctgcaaac gcctgtgagc ggatcacctt tgcggtgcaa 300
tctttcaccg agcggtatta cagaacacac ctgctttgct ccgactgtgc tggatcaagt 360
caatgagggg gagagaatgc gcagaaatat aggatcctac tcacgtatag aattcgagaa 420
aacaagggac gtatcatacg tcctcctcga actcgactag tcgcgccaat ggttttgctg 480
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ttctgtcatc aaatgtagtc gctctctggc tcgatccaga gaccatgcag atacagttgc 540  
 tcattctgtga tggcattgct gggatgccga tgtgactggg gcgaaattat cctccataca 600  
 gttaagcaca ggaaagcaca gcagaaacgg ttatattgat gcagtttctg acacggagtc 660  
 ttcg 664

<210> 7324  
 <211> 465  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 7324

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 ggttcctgga gagtaaattt gaagaaacgt tgaatgagga aatgaaagtc gtccgttctc 180  
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 agttttggga gtcctcgacg aaaatttcga tctccaggtt cttcgtaccg ttatcggcaa 360  
 gaccacggtc gttcctgtga ttagcaaggc cgatactatc accacggcgc acatggcata 420  
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<210> 7325  
 <211> 627  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 7325

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 aaaaaagaaa agaaaaaccc ctaataagag ggggggggga aagggtctct tcactactat 180  
 acccgtagac tccagccaga gtctggtgca tccagaccga catccagacc aggattacag 240  
 gcgcaagggt cttttcacag aagtattgta agcaagacat aatccgagtc atcgggcaaa 300  
 gctaccgaac tacgggggtgc gtgcaggaga aatgccatgc ggccgttggc ctcaaaactc 360  
 cgccagacgt catgatcgag ttggattccc tgggtcgtga cacactcaac aagggatctt 420

aaattctaga atcctgtcga tccggagcga ctcgatgaac cgtggttgag agaaatcagg 480  
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cagtcagtac acgagtagcc ccagcagtgt gattggccac gacagaataa agtatttcaa 600  
atccaaggct tggctgaaga agggaga 627

<210> 7326  
<211> 1041  
<212> DNA  
<213> Aspergillus nidulans

<400> 7326

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gaatggcagg ctacgattga agaggtagtg aagagtgtcg tctcaattca tttctgtcag 480  
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acggcgatgg ctacagggac ttcaacacca attacattca ggctgccgat gcagccagcg 960  
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ggggcttgca accgcctttt c 1041

<210> 7327

<211> 116  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7327

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 caaacagaaa gaacacgagg catccctgta ttattacaaa cggacgtaga aaagta 116

<210> 7328  
 <211> 860  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7328

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 ggtgccgtat tcggtgccgt ggccgctctc cttataacag tctgcatccg tcggcaccgg 180  
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 aatacgacac tgactgagat tctggatcgg gtgcaaactg cagtgcgaagc tgagcccgcg 660  
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<210> 7329  
 <211> 587  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7329

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ttcctgtcgc tctttggggc ggtagaagac gttgggcaca gaaagcatcg agacgatcgt 180  
gagcatttcc tcgctgcaac catattgtc cgcggccgta ataagagct ttgcgagagg 240  
aggatccatt ggaaaggggtg tcatttgccg ccccaaatgc gtaagatcac ccaggttgtc 300  
gagagctcct agagaccaga gttcgaaaag agaggtagaa attgtttctt gaggtggagg 360  
gtccataaaa tcgaagtcaa gtagatcttt cagccgagg gatttgagaa gaaggaccgt 420  
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tgcacctccg tgtagagtcg atatgcttta ccagggcctg ttcgaccggc tcttccagaa 540  
cgctggttcg cattcgcttg tgaaatcggc gtaatttgaa gggtatc 587

<210> 7330

<211> 734

<212> DNA

<213> *Aspergillus nidulans*

<400> 7330

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gaggactggc tggggaaagc tttgacgggt tatcagacaa ggcgcatgga gaagataagc 180  
tggagataag agtatttgtc cgtcatggat tgtggatggg agtgcacagg attatcgagt 240  
tcaagactcg atgacatcct ggttggatat gctgtgtttc agagggtttt tggtttcaga 300  
atgaagcgag ggagaagaaa ttccttgacg gcagtgttgc acgaagccaa gccagcttt 360  
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gactgtgtc tttgggtgtt cacacagcac gtactggcat tcacagagct gaagacaacc 480  
ttggaccagg cgatggtctt taatgaacag ctaacctaac ctccgtcaga caccgttatc 540  
cggatcctcg cacttcgttc taggtaaaaa tgtgttggtt ttcccagcta cagaaagctg 600  
ccatgaaggc gccctacca acttactgtg ctctactga aagtccaagc gaaagatagc 660  
gagcatagac ctagacaaca gatcgacaag tgtcgcagtg tatcggaattc ccatgttcga 720

ctgcggttctt acga

734

<210> 7331

<211> 806

<212> DNA

<213> *Aspergillus nidulans*

<400> 7331

ggactccctg caccctattg ggtgcgcctc cgtattgaac acccagtcgt ccaagctgac 60

caaatcggtc tccccaaata ttagatacag atacttcaac gtctctgcca tccagaaact 120

ctccatgcta tcttctptct ttacatttcc ttcctcaacc ataacatccc gcaccgccgc 180

attcccaaac tccgtctttg taaccgcttc gatagccgtg aacattctcc atgcagcctc 240

gcggtacttt tcgtccctg taatgcgcca catatagaag atactctcca ttgcctcagg 300

acgcagaaag tagtgcccat cacgcacgta ggtgtagata ccacccttg tttcgtccca 360

aggacattca gccactgacg gacaagccgg cacggtgaac atctccggca tgatacctag 420

cggtgaatta tcgtagtacc agatacaacc gtctgtcagc ttccggccgg tgtcgaggta 480

cgtctggttt gagaaaagct tcccggcgag cgcgtacatc ccaccacaa aacaggcgag 540

atgctctgtc cggggctcga gtcccacgga agagctggtt gcgtgcgca ccccggttag 600

gaggatatct gcatgatcag gcgtcatcgg tcggaagagg agatgtcgaa tcccggcatc 660

tagtgcggtt cgcgccagac gctcgtactg tggcccttcc cccacaccac cgaggagccg 720

atacgtcttg ccgagatact cgtaggcgct atcggcacat gacgctacga ccgacttcct 780

atatgggcaa ccttcacatg cacaat 806

<210> 7332

<211> 519

<212> DNA

<213> *Aspergillus nidulans*

<400> 7332

aaagaggaag ctaagaggag ctgatagagc gataagccgc aaattcaaac cgtgagcctg 60

ggcaataagt cggatggggg agtgctccaa gttctcagga agagattaag ggccaagtgg 120

accgccaagg aagagtatgg gcttcttacc agacacgac tagataacga gtcagattcg 180

gagataaacg gcgccgggca ttgtattatt ttatttcagt agtcacagca acagtgggtga 240



tagaaagaag tagtcacaga attgaataaa gccctcccgg gaatcgcaat ctcatacata 300  
 gtggtatcaa ccgatcatccg gtcatatcgg aacattatta caacaagcca caacggacaa 360  
 agaagggaaa acggatatca tgaaagccac ccatcagata acacccgcgc atgttgagtc 420  
 agtgtttggc agcactgtat ctagctatta cgcgagcgtt gccgtaaggt tgaggtcgat 480  
 ggtgacacat tggcgctaata gctttggtga aatcgggat 519

<210> 7333  
 <211> 572  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7333

ccctttgaaa ctaccaagag aatagatttc gtcaccgcta aacaaacctc atatacacca 60  
 tatttcgcct agcccaccct accagctctc acttgccgcc acaatgcccc gcacgcccct 120  
 ccgcatcgct gtccctgaat gtgacacccc gcccgaaatcc agcaacgcca aatacggcgg 180  
 ctacgtcggg gtcttcaaga cctcctctac agcagcgta gagaacttta taaacaagaa 240  
 gaagtcgacc cgtcttctat cctcgagatc tcgcgctttg atgtcgtcac ggcacaaaac 300  
 tatccggatt tggcgaatgt tgatgcggtt ctgttgacgg gttctagtat gcctacctcc 360  
 tcctatctct tgcacacgtg gttttggatc cgtattgcaa gcgcaaaatg ctaactttgt 420  
 tatgtttggg tccatacaga acacaactcc ttcgaagacc acccctggat actaaaactt 480  
 gttgagttca ctaaaaaggc gatcgagcac ccacgtgtca agctattggg tatatgtttt 540  
 ggacatcaga tcattggaag agccctcggt gt 572

<210> 7334  
 <211> 150  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7334

taataactcaa agacgtctag agtacacaaa acaatggatg ttatagcaat attccagagt 60  
 cgattaatca tgtgaacttt gtagtcaatc ctgtcgcaaa ttcataactg gatcatcacg 120  
 tagaaaagct tagttaaaat cacatttgcc 150

<210> 7335

<211> 363  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7335

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 tcaatgatag atggaatgcc tgagtagggc agggcaagtg cagagaacct atgacggata 120  
 gctgcttggg cccaagatcg gtgccagata ttaatatcag ctgggaatgt agtgggatta 180  
 acgaagtaag gataatacag gttaataaag taaatgagac ttggtagtag ggtgtatagt 240  
 ttcaaataaa taataagaga gtatggataa aagggatctc gggtagaaag ggccagatta 300  
 taggaactgg gaaatagaaa aaacgaattt ttaggttttg gaacatggag tgtgaagagg 360  
 ttg 363

<210> 7336  
 <211> 1050  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7336

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 ctatTTTTtag actttaggaa ggaatagaaa ttaatattaa tagattacca gggctgctca 120  
 gggattagaa gtagatttaa taagcctagt agtaggtcct gcagctcctt agtatacttg 180  
 cagactatat agttgtcaag atattgtgct atattacaac tctatattgg ctagtagtaa 240  
 caggccttga ctaaggcctt tatctttgta tagcctaggt aagctgtaga tagttgctaa 300  
 tatattttat cttagcagata ggctagaaga ttatctttgt ctgggacaac taggtaatct 360  
 tagaagagta attacccttc tttatctaata atctaactc gttattcctt atatgccttc 420  
 tcctagtata gctctagtag taggctgcta tagtttcttg ctaaaatata atctataata 480  
 tacagttctc tgtctaatag tactatcttg gtattttttc ttatctctgg gggtaatttt 540  
 gcagggtctt gtagaagaac tccttttttt aactactcta gacacagcag tactgctgta 600  
 taatcttctg tattatctag tatcttctct ggataagaaa gtatattagc aagagtattt 660  
 tctttgcca ggcagtacag attaggaaat aaaattaaga aagaaattta gactagttag 720  
 cttgccagca gttaagtctc tgctttatta taaagtattc taatgcccag tagtctgtat 780

agatatcaaa gtaatTTTat actacagacc ctcaagctca gccctctatt tagttaggga 840  
 gtatataatt actagtattt tcttattatg gatattatag ttcagttctg cggtacctat 900  
 agtctttata aagtatataa ctaggtgcc a gagatcccta tacttctatt agagaactct 960  
 ggctactact cctacaagg tatttgtttc aacataggta gggagctgta gatcataata 1020  
 gtgcaatact agtataaagg ttagtatata 1050

<210> 7337  
 <211> 752  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7337

gcacgctctg ccaactcccc cgcgtcacgt cgagaaggtc aactcaatgg gacaacaaac 60  
 atttcgagtg ttgtgacttc tcttcagcgt cgtagcggtg aagagctagg acaaacacat 120  
 cctcccggct tctgactgca actcatgctt caatcctcga gtggatccgt tctgagcgta 180  
 tgagcttggt gccacctgag ggaagtgatt acgataaggt gctggcctgg gctcagcttt 240  
 tcattgatcg actacattcc ttgacatgg cgattgaaca atttgccgga gacagctatc 300  
 at ggttattgcg caatgcttct cgaggtaagt atcttcccta 360  
 taaactctga gaatctcg ttatagcttg gccgagagaa cgctgctgca 420  
 ttgatgctct cctttggctt cttc ag 480  
 ctcccaagac atccaggagc agctcatcct cgtcttagcg 540  
 aagcgtttcg acccacttcc acaaggcgat tegtgggatg 600  
 acaacggctt cggctctctgt caacatttac cggactttcc ctggccagat tcaaaccttc 660  
 cagcaacgct gcgagaggat tgccgagtcc atgtggagac atcagcttct 720  
 ctggatggag ataaaggcaa gttgaaccga gc 752

<210> 7338  
 <211> 736  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7338

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cctgttcgta tatctctcgc gcagtctcac ccttcttgcg tttattttgc ttcgatgact 120  
tgacgctgac ggttgcgggcg cgcgcagaac ggatctgttt ctctgcttct tcccaccctg 180  
catcgccatt acttatctcg tatctggagg ctgcaaatca gttattgttc gctcgcgag 240  
gactcgcttt ccggtatatt tagtaagtaa aagagaaatg actcacttgt cgagaggtaa 300  
tgcacatc agggcgcgct gtttctcgcg catctccgcg ttgatttcct caccgccttc 360  
acgcagctcg tcgtcaagac tagtctcgag gggcttgaag cgctcgtcga cgacttcgtc 420  
atgtgcatcg gcggcggtg aggtggcggtg tacattctcc gcaggaggagg tatctgagac 480  
agcgctctct tcaagagagc ggaagtgaag ggagacctta cggacgatct taaggaacat 540  
ggcgagcaat tgagatgagg ggagactgag ttccttctcc acgtcatcaa gtgatttgcg 600  
ttgcaaaccg atggcgagga ggatggactg ctgcacaccg gagagggtga ctttaccagc 660  
aaggcgccg gagaagtacc atgttgcaat gatgggcacc atatctagga tgacgtgcta 720  
ttcgagaagg tttaaa 736

<210> 7339  
<211> 502  
<212> DNA  
<213> Aspergillus nidulans

<400> 7339

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gcggaacgag tacaggccta tttggagcag tgcctaccg acatccggac agaactggcc 120  
acagggatac tgcgatgagt gcagacctga tacagatggg gaccgagcta tggacggagg 180  
gcacagatgg agggactatt agcactatta gcagatctac acaaacaac gcaacatatt 240  
acactgtact tcataccaga ccagacacct aggactggac gtacggtgct gatactcctg 300  
actggctggc gggcataagg cgcagaacct gggcttaggg gcgaaatgac ccatgaagac 360  
ggggcgagga ccctggaacg aaccacgatg cgacgtcaca gcctaccgat tacattgcct 420  
tttgatctgg gaagtgaagc tggaagctga ggctaggagc agagctgcca cgtgttaagg 480  
agtcagcaat tggatatac tg 502

<210> 7340  
<211> 285  
<212> DNA

<213> Aspergillus nidulans

<400> 7340

ggacctgcat ccttccccgc tcccctccac gctcctagtc cttgccctct cctacggacg 60  
cccgcctctg cgagtactta gaggtgtgtc agcagtctgc atcttctccc tcggcctctt 120  
cagctgtcta gagecgggtca gctgctcctg gccgttcgcg ccgtcgcgcg gcccgtcctt 180  
ctccttactg cctcggcgcc ccgcccagtc cccctgtctc tgacgcgaag ggtctccgta 240  
ctcgaatctc ctcggtgtac ccgtttccag catgcgggat tgccc 285

<210> 7341

<211> 425

<212> DNA

<213> Aspergillus nidulans

<400> 7341

cttctctaata aaggactttt atactaacta gtatatattag ttataagttt ttaactaggt 60  
aggcttaaat attaatttta gtaaaattat aataatcacc ttccagggtt cctgggaaat 120  
ataataaaaa tataataatt ttattaaata aatcttttaa tttaatactc ttaattatga 180  
gtgagctaga tattttctta atctatatat tcttaatctt ttaagcaaag tctatattaa 240  
taattatcta gaaatattct atatctaagc agatatttta atataactta ataattatta 300  
atctaataaa tatagtacag ctctagtata tctataaata ttctattttt aatagtagct 360  
agacttgata attttaacga taattacgcg ttttattaga actaattttt actagggttaa 420  
ctagt 425

<210> 7342

<211> 1042

<212> DNA

<213> Aspergillus nidulans

<400> 7342

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acttacgacg atttgatgt gttctggcag aagaaaaaga gaggaaatgg ctactagacc 120  
agactgaagg aaggagccgc atgcgactac gcattgtccc cgacgacaca aaggagagac 180  
aagactatca accgaaacgc aaagcatcgg aacctcctgt tgtaaggtg gacgcatcag 240

ggccctctaa cggcaagact cttgtctccc cggttgatga tgagcgatca actgacagtt 300  
 ctcacggcat tgggcctgac aatgcgagtg tcatggaaga aagcttcgag atgatcagtg 360  
 atccagcggc ggatctcgaa gactatgacg acaagaaccg gaaagttatg agaagcttac 420  
 atcgcggcga tgaagtcgag aatctttgca atgtttcccg gattgttggg ttagaagcct 480  
 ttgaagggct actaattcaa ggcaaagacc atatatacat ccttgacaat ttcttccaga 540  
 gagtcgatgg cgaaatagtc aacgtttcgc aagctcccag tgacgagcgt gacccttacg 600  
 tccgcatgat tgccggcaga gaagccagtg agcgtaaacc ccaggaatac gaaactagaa 660  
 gctggaaatg gacggacctc gttagtatat ccaagagacg attcctgttt cgggatgttg 720  
 cgcttgagat cttttttacc gatggaagca gctatctgtt gacgctcatt tcatccaaag 780  
 ctcgagatat tttgtgcagc cagcttgctg cgaaggctcc gcaagttaca ggaaacgttg 840  
 gacactcgcg gccggaggat atatggcggg ttgagactct cagaagttct gaagacgcgc 900  
 cacaatctct tggtcaaag tttgccagcg tcttcgggca ctcgccggtt tatccagcaa 960  
 ctcgtaaagtg ggtaaagggg gagatctcca acttccatta ccttatgttg atcaacacac 1020  
 tcgccggtcg gacatttaac ga 1042

<210> 7343  
 <211> 606  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 7343

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 gtccccaaga tctcatatac gctcttctgc ctccgcgaca gcatcacaat cttcgcctcc 180  
 ttcaacatcc ctgccctcat cgcgcctca ataccagact ccatcgctgc aacccccgca 240  
 atgaaagccg ccatcgcgca gtttagttgt cccgcctca tgcagttcgt cagcacgccc 300  
 atgcatcttt tgggtttgga tctgtataat cggcagccgc ccggcgggct tggatggagg 360  
 gaaagagtcg ggaggatcag gagagattat gtggccagtt gttttgcgcg catggggaag 420  
 attgtgccgg cgtacgggat aggtggtgtt gtcaatgtca ggatgcgcgc ggagttaatg 480  
 ggggtggttg agggacttga gcccgcatct gaccgcgcat tacaccatt ttagtccgtg 540

tcctcctgag atcgtctgct gtctgaaacg ttgttgctg gcctgacaca atcatctatc 600  
taccat 606

<210> 7344  
<211> 550  
<212> DNA  
<213> Aspergillus nidulans  
<400> 7344

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ggagtcaaat cagggttcata aagaacgaat aagtgcagcc tcttttcaag cttaccattg 120  
ttgcgtatca gactctgttg ctgttggtgc tggaagaaac cccatgtttt gtcgattatg 180  
cagcaaagta tcacgtgatt tcgactgctt gggctctggca gctgatagcg tctctttgct 240  
aaacgtttca caggtagagc gaggacctgt gaattacctg ttttggttta gtttgccctgc 300  
ttcgggatag ccgcccagata tgtggtatat catcatcgcc cgccgggaca ttttgactct 360  
catatacaca tttcttttct ccagtttgcg gttgccttgg tttagaagaa aaattgttga 420  
atcaccaaca gtcatgcaact ctgggatgaa cgaacatctt ggctcttaca cggacaagga 480  
tgacaaacgg ctaaacctta accgtttgtg atgacggcga gtctggccca gccgagtcaa 540  
tcattgcctg 550

<210> 7345  
<211> 1360  
<212> DNA  
<213> Aspergillus nidulans  
<400> 7345

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attttcaaat gggccagaa attttggtat ttgtcccacc cacaattttt tttaaaacca 120  
aaaccccggt ttcctttgat cagggcgagg gatggtatca gggccggttt tagcgttgta 180  
atacaaaaaa aaagatctgc tccccgggt catttgacag tcaccgaaat gaacttggcc 240  
gcggtgtctc gaatgagcca aaatccaact tggcaaaaag cttgtgccag ccccggtgtg 300  
ataagagggg cataacaaac ctttctcat cagaccgaaa cggagctcat tctttgattc 360  
gtaggcgacc ctttaccgat cctacccgag ccctacgcc ttcattctgc gcaccaagcg 420

cgtcgtcgtc ctccctcacgg ccttccctcgt ttatcgccctc agccgcgggt cctcttggtt 480  
 catggtgcag tatatttcag cccgctataa ctggaccatc gcccaagcaa atctcctcat 540  
 ctctttcaaa ccggccctca caatcccgt cttcctcttc atcatcccct acatctccaa 600  
 gcacatcctg cgcggcacga actccaacat gaaggacttg accttagcgc gcgcaagcat 660  
 tatcttcctc gctgttgga cattaggaat cgggtcttct cctagcatcg cgatgctgat 720  
 cccaagcctg atcgtgcaga cctctgggtc tgggttcgcg tacttagcgc gatcgctaat 780  
 cacgacgcta gtgaagcgcg aggagacagc gagactgttc actgttatcg aggtgttgca 840  
 ggcatgcggc aatgtgatcg ctagtttgtc aatcacgacg gtctttcagg tgggattgga 900  
 ttggggcggt gcgtgggttg gtcttgcacg gatgatgacc tcgacggcgt tttgtcttgt 960  
 aggtgtgtcg atttgatgt ttgagttgcc gccggctgtg gagaagatag aggagcacgg 1020  
 cgattgatat tgctgagcat ggatcctttt aattctctga atatataaat attcatgtgg 1080  
 tttctgtat ataggtggcg tttcgtttat atagggcggt tgggccgggc tggactggga 1140  
 taggttatat accaactaga ctggattgtc aattatcaag ttatttatcg agtatgcgac 1200  
 tgatattctc gcgtctaate tggctgagaa gtgggcgtct tatactccag gtctgggtaa 1260  
 aacctcaggc accaaggcaa catttcacat gtcagcctcc agcaacaaac attagtgttg 1320  
 cgatacgata gctgttcaca atcccacagt tgaggatcgc 1360

<210> 7346  
 <211> 867  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 7346

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 gtgccatgcc ggcccagacg tgaattgccg cgtctagcca ttaacgcaga ttgctcaatg 120  
 aaaatgcctc cccacataa gccactgctg gttccgtgaa gaaattgtca gccgctcgggt 180  
 gagactaggg cactcggatt ggttcctgca gattcagccc attctatctc agtcttaagt 240  
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 acagagagcg gctgcattca tcttttctct taacattcga tagtcagcct aggctctttg 360  
 gaccgctcgt tcttgcaagt aacagactgg cccgtcgcgg tagctttgtt cgttctacaa 420



gagtcatacc accatatgag tagaacagct attacagttt cagtatgtga gagttgtttc	480
tcatctgctt atcttcttgg ctttcccatg gtattacaat ggggtattacg gaatggtaag	540
agaatctacc tgtttccata atagagatgg acccccaaat tccactcatt caccatcttg	600
ttgcagtaat ataaacctaa gcactctttc tctaagagtg cacgcacttt tctggggcaa	660
atacagtctg ggctatctgg atagtcagcc actctagcac cagaggacga cgtgttaggt	720
gttcacagag gtgaaatagg tctattgcta atgtaaacat ggttttagcag ccaggactgt	780
tcttggaaca gtctgctagg aaataaggct caaattgctc caagacagac ataaactaat	840
caaacctgtc tctagattag gaaaaga	867

<210> 7347  
 <211> 895  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 7347

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ttgccgttga tgaagagatt ctctgcagtc tttggtgccc cgattacctc gaccggtgtg	120
gtggcattga agtcggctgt aagggtgaaga tcacggcctt tgacataagc agtgcgacg	180
aggtaaccgg ctttaacgat aacagatgca gcaaccgcct tctcgggtggc ataagggatg	240
ctggtctctg taccgagctg cggcacccaa taattgtatg ccgagtttcg gtctaacttg	300
tcagtcacta tgcgcataat tgccctgggcc acgtaccgag aaggaatatc ttcaagtctc	360
cgatctgaac aatgcgccga gcagggtcaa cgtcccaagc aactacgacc gcaccgcgga	420
tttgcttaga agaaatgccc gaacccaatc cttcgacgac cttcactttt gccttagagg	480
agaccgcaag ttcgtggtgt tccccaggtc ctccatacaa cacaagaact ttgccgtcgt	540
ggaacttctt ccatgtgaat acttcggcgg ttgagtacag aattttcgtc ccagcgacgt	600
cgtaatcaac aagggtgaacc tttgaatcac gtccgttgag caccagagag cctccgagct	660
gcgggatcgt cagctgtccc gcactggtcg ggagccgcag tttgtacggg gtagacgctt	720
gactgctata gtcgctgtgg cggagtacga agaaagagcc ggtgccgttc ccgagcaatg	780
gagtcacagt taggtcggct gtattggtgt aagtcgtgtt cgtaattttg cctgggggtcg	840
ccaggaggta tcccggggag gacttgatga agtttccaag cagcttaagc tcgct	895

<210> 7348  
 <211> 566  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7348

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 atgttgttct ggagctgcta gaagatttga agacggttgc ggacgaagcg ggtgagaacg 180  
 tctttccaaa ggtccttcga agccttcttc agcggggccat tcattatcgc tccaaagcat 240  
 gcatttcggc cgttattggc cgttctggct cccttgagga agaagacgat attaataaac 300  
 gcaactgtat ccacggttta gtgattgcca ttggctcgcg ccagaccacc actgactctg 360  
 agcagtcggc gtcaatggtc ttggatttcc ccacggatac cccaaactac attactcctg 420  
 ccgcccttcc gacacttcag cccctcgtt catttgcaa ggagtcggat catgtgcagc 480  
 acttgactcg gtctgacct gcggtctcgg ttctggagta ttgctagac cacctgcgac 540  
 cagaccaacg cgagtctctg ctttcg 566

<210> 7349  
 <211> 603  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7349

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 aggctatgca aaaatgcgtg cgtttaggaa aagacacata tattgttgcg caatagcgta 240  
 tttgtaggcc atgtgtctgg cggagcgaag accgtcgata ggccggcggg atccctgggg 300  
 caggggtctc cgaaaacgtg acctcggtc ctctattat atctgtgacc tgcgagatag 360  
 catactgtca atcaataatt actcctggag aatgaagtta gcgtgcagca gtgagtagaa 420  
 gtatatatag cgaagcgggg ctgggtacca gagacaccac acagtaggcg tggaaaatcc 480  
 atacttcttt gcacgcacac cgtattcgag tacagacatc cctgaagcga ggctatcaac 540

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ctg 603

<210> 7350  
<211> 658  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 7350

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aaggagttct gtgccccagc ggccaacctg ctttgtggac aggcgagtga taacgcgcat 180  
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aatcgagttg tagtgttggt aggcgagagg cagaaaggaa gaaaatgata gagaaacaac 540  
cattcttgaa gatgttgcat gtattgattg gacatcaggg ctaggcagaa atgattgcca 600  
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<210> 7351  
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<212> DNA  
<213> Aspergillus nidulans  
  
<400> 7351

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gaggggacca aggtccagg cccagacgtc atgaggcgtc ggtccacaaa cgagacatgg 180  
tcagctgatt gatcattggg actgcctaaa gcatcgatc cgctctgtc atccaagacc 240  
atcctctcag gcacaccttc ttctccacgg tccacgcga ccgaatctcc agggagcat 300  
cagagaattc tacgcatctg ccgaaccaca cgcgactggc cactcgtttc ccgttttgca 360

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408

<210> 7352  
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<212> DNA  
<213> Aspergillus nidulans

<400> 7352

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gactttgcc aacggcatctg cggcgggtgcc ggagtcagtg atctccctca gtccgccacc 180  
tgtgctagcg atgcaaccag caccacagcc accgtttcct ctactgtcac gaacacagag 240  
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acgaagagac acaacgtact gcgtaatgta gtgaggaaat gtcatttgat gatcagcttc 660  
aatatcccg t gattacaat aaagccattc tgccttctaa aaggctatag atacagaccc 720  
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<210> 7353  
<211> 1051  
<212> DNA  
<213> Aspergillus nidulans

<400> 7353

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gtggagaagg cggaccgtgt ccgcaagcat ttcccgtgg tgagcatgaa gggttgcggc 180  
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gcgagacaac gtcgaaacta agtccgtact ttgcaagcgg gtcattgagc gcgcggacgg 300  
 ccgttgcgaa ggcacgcgaa gcaaagtccg gtaaaatata tcgcggcgag gccgggtata 360  
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 cgttcatttg gtaaggccca cctccaccat ttagcacaga aagctgatgc tgtcagcatg 480  
 aacaaatgct tcaagtttga attcacgaac atcgactggc catataacaa caccacttcc 540  
 gaagcttggg cgcccgcaa gacagggtag cctctggtag acgccgcaat gcgccaaacta 600  
 cagcaaccg cctggatgca caaccgctgc cgcattggtt tttcttcctt cctctgcaag 660  
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 gtatgagagg ggcgcgggag acatcgcgag ggcaatggg tatccagagc cgatccctga 960  
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 atataccagg tccagttcat atacggacgc g 1051

<210> 7354  
 <211> 984  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 7354

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 ttgaaaaagg cgttattcgg cacgtgtgat gtaaaggaat tgtcatgtac gttcctagct 240  
 gtcgggcttt gcgtttcaga ctgctcgatc tggccgttta cactgacgga gggcaccggc 300  
 gggcgtggg ttccctgtgc aacctgcgct cgcggcgctt ccggtagcgg tttccgcgca 360  
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 ggagaatgcg ggggtgaaga cggatggat acggggggag gagacggaag aggggtgagga 480  
 tgaggatagg tgctggctac agggctcgcc attgtcgcgc agtcgaagat gcacgccacc 540

gatttttgag taaaatgtgg ccgagattca aatctcgtg tctagcgaga gacctgggtg 600  
 gatgcaggtg gtacgaaacg agaggtgcct atgattcgga catggaggga ggcgtaggac 660  
 gaggactggc gcggttgagg aggccttga gcgagcgagc gaccgaccgg gcgagtccag 720  
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 cggggagctt ataagacggg cgatgatcgg tagaggaatc gcgggcccac caacgagcga 840  
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 gagacggaga cacagaagaa aaag 984

<210> 7355  
 <211> 716  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7355

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 cttccgtcag cactacggag tacggactat agtgctctgc aagcgatgtg atcattggtc 180  
 gccatctcgc ggcgcccga gtacgatcgt tcttcgtttc tgaatcccac ctccgtgagc 240  
 tgatctcggt tcacaaatga ttacggaatc tggggatctg atgggtgcaa ggttgcccgg 300  
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 tcgtctatct cctccaggac tcgattatgc tccgcgtacc ggaggactgt gaagcggccg 420  
 aattgcccga ctgattgcta ttttgacgaa gcatggcggt ggctcccgg caaatcgtgt 480  
 cgtcttactc agacttccat tttgagtgtc cggttgccca ctacggctgc ttggcccca 540  
 acagacagag ggcttctttg tgaagttcat ctcccttagc tcgctaactc atggccctca 600  
 actcgcccc caagtcgcat aagcaggggc tgcgggtaac atgcgacatg tggggtctct 660  
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<210> 7356  
 <211> 559  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7356

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gatgcagcag accccaggct cttggatgtg ctgcagcgga ttgtaggcag gttcgagcag 180

cagcccgtgc tgctgtccat gtttacgcag cttgcgcagc gatgtcgcga ttcgttgctg 240

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cgaaccggtg gttcttcggc ctggacatac agccacgacc tcacggagca gtatcgcgcc 480

gtactggagc aagccacaac cgttggagag tccttcgctg gacgctcagt tctcatcacc 540

ggcgcgggag ttgggtcat 559

<210> 7357

<211> 662

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 7357

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ttcagatatt taagtccctt gctagcgaââ ccacctttgc acccctatca cagactcgtg 180

agccaacagc agagccggtc gccgatcgtc gaaatggttt cctagacaga tgtttcttct 240

tgatacatgg gtttacctcg aagcaggtgc gttctgttct acttttgcgc ttttgcattc 300

ctaatatctc tagacgaatg tattacggaa tcacctttct ttcaatggcg ctcagttggt 360

ggactctctc agcgagttct ctgccccga cataccaaag aaaggtcatt gtctttacat 420

cattgtgcct taaaaaccc cagcatctaa tgtcccttca acggacgac tcgcttttga 480

gtgtgaagtc gtgacggata tgtggttgga aaggtgcctt gacacgaaga cactagtatt 540

gccggaatcc caccctgcaa acacccaat ttcttatcct ataaaggat gccatatntc 600

catttatagn gtttgcagac atctgacaag gcaaggcttt atcggcatga acatctgctc 660

ta 662

<210> 7358  
 <211> 659  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7358

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gaatagagtg ggcgaggcat aaacatcctt tcacccaaac cgaccgccct gatttctgct 180
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tttgcacctg ctttcaccgt cgatgagcgc cccccctac atgaaaagga ctgaggtagg 540
acatttcagg ttgaccgtca agttctgagt tgtaagtatt ttctatttg gagggggtgg 600
agctgaggtt tategtgcac ttatactgag gatttccccg tagcttcaac tgcaggcaa 659

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<210> 7359  
 <211> 1000  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7359

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gtcgagggtg atcttgccgc cgtcaatctc gtgttcttc atggcctcgt aagccttggc 180
agcatcgga gcgttggtga attcaacata accgaatcca cgggagcggc cagtgtcgcg 240
ttcggtcata atacgcggcg acagctcacc gaactgctcg aactcttggt gaagccactc 300
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cttggaattc ttggaagcag cagcgggctc ttcctcagcc ttgcgcttct tagaatccgc 420
tggttgctcg ctgtcctcag actcggaccc ggagctacca gactcctcat cagaatcgga 480

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agaactctcc gagctgtcag agtcagaatc agactcttcc ttggaggtct tggcgtcgcc 540  
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 ctcagcagcc ttagccttgg ccttggggaac ctccctcttcc tcagacgatt catcgtcgga 660  
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 <211> 487  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 7360

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 catatcagca cacgtttgcc tgattttgcg cgcgcgtagt tagtggctac gagcacgctg 180  
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 tgcgagctct gacagtcaat cgtggccccc ctatctagag cactacatac accgcgatat 300  
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 tgcaagaggc tgccacgcac acggtgcac cggatatcac accgocagac cgcgctacat 420  
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 gcctgcc 487

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 <211> 506  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 7361

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 agaaatcgtc ctcgctcgaca ccggcaccgc caccacagcg gccgggtctcg gttgaagagc 180  
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 gggaggaaaa ggaggagaaa gtgcctacac ttgggggtccg gaagcggaaa cacgaccagg 360  
 atgtagacga ggaagaagaa gaagctaaga gggaggctga gcggtttgtt agtaagggat 420  
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<210> 7362  
 <211> 592  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 accacaagct aataggggaa ggccatgatg ctctggaaaa agatcactgc ttggagaatc 180  
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 tggcggcgcg atgaatccac tcaacatacc ggccaatacc tccaaaataa cagagaggct 540  
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<210> 7363  
 <211> 1105  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 7363

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 cacgaaaatc gcgctcaagg tacgcggata cggatctagg agagcccaaa ctaaagaagc 240  
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 agttcatcgg gaaatggctt gtcagtggca gccgagacaa aactgtccga gtttgggacc 720  
 ttaacacaaa aaggctctgg catcgccctt tgattggaca tacgaaatct gttctgtgcc 780  
 ttcagtttaa cccgagcccg tccgaagaca ttatcatatc tgggagtagc gacaagaacg 840  
 tcattgtctg gaggttttcg acaggcgaga agatccatga gatcgccctt gcgcatgatg 900  
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 ctgtactaga agaataaata gctga 1105

<210> 7364  
 <211> 563  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 7364

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 gtcctcgagt cgcacaggtc tgggtgatcg ttgtcccagg gcagggactc tcggtccac 180  
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<210> 7365  
<211> 108  
<212> DNA  
<213> Aspergillus nidulans

<400> 7365

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tcatgactgc caactggcag caatcgctac acacagaggc catgccgg 108

<210> 7366  
<211> 502  
<212> DNA  
<213> Aspergillus nidulans

<400> 7366

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attattatgg gcagcttcaa cattaggtgg ctcaattcag cctggagtcc ctgaatgatt 180  
taagcgggca tcattagaaa taatggcatt atcacctgt tttagagtta tgcttagtgc 240  
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<210> 7367  
<211> 1206  
<212> DNA

<213> Aspergillus nidulans

<400> 7367

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cgaatgacgt tttccggctg atctcagatt cagatcggtg tctgcacgtt atgatgttac 180  
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cgcttcccca attgattata ctggcggttca gtgcatcggt atactacgaa gtgaggaagt 300  
gagtaagcat tggggtcctc ttaatttact taatcagctt aatggatgta atattattaa 360  
tgtgtcaata tcagttagat tgtaaagtct taaaacgctt ggtatgaaat tttgcgttca 420  
gttcaatact cgcctaataa tgacatctag ggtagattct aggttggctt gggagggaga 480  
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<210> 7368

<211> 843

<212> DNA

<213> Aspergillus nidulans

<400> 7368

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<210> 7369  
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 <212> DNA  
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 <400> 7369

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 gatcaagtta tgcgtaacga ggatctgggg tgggacgaaa gacggttgcg ccagttttat 300  
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<210> 7370

<211> 535  
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 <213> Aspergillus nidulans

<400> 7370

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 cagtcattga agggatatcca ggtcaaaatt ggctgggtca ggccacggcg gcgtcgactg 180  
 ctactgggta ttagagttga ctgggcagag caaaagacgg attaagtccg tgctggactg 240  
 gcggatggct tgattgattg attgatttga ttgattagat ccgagagata aaaatcgctt 300  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7371

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 cgcaaacgcc tgcagaagcc gggaccagta ggtcggggcg ttccttggct aatcatcctt 240  
 acgcttttta caagcttttg tgcttgggtg cgcaaggaaa agattgagat tggattctgt 300  
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<210> 7372  
 <211> 598  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7372

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tatctagacc ttaaagatat atatttataa ggtagaagat taattcataa ttacaataat 180  
ataaagtttt actattaaga ctactaggat ttactattta ttattattat tattcctata 240  
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actaggaagt tatagttact aattgatctt cagttatagg aagattgcta aagttatagt 480  
tatagatttt attatagatt tttgatataa ggtaataaaa aaaattttta aatagatctt 540  
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<210> 7373

<211> 489

<212> DNA

<213> Aspergillus nidulans

<400> 7373

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acacattagg ccgcccctga gatgacccat cagctccggg gccgtcgaga agtctggcga 180  
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ccgggacaga atagatatgc aggtacggca gccgaagttc aacgaaccgc cgtgccagct 300  
gcgtgtaggt atcgtcaggc attaacagat acccagtttt agacgcggaa ggattcttcg 360  
ggagagtttg aacggtagcg tagaaccgcg gcgtgagtga accctgctct tcattatcgt 420  
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<210> 7374

<211> 1241

<212> DNA

<213> Aspergillus nidulans